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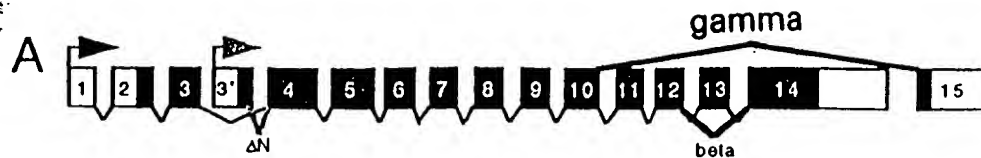
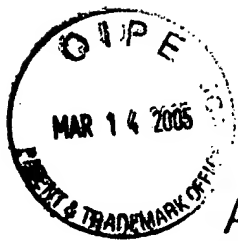
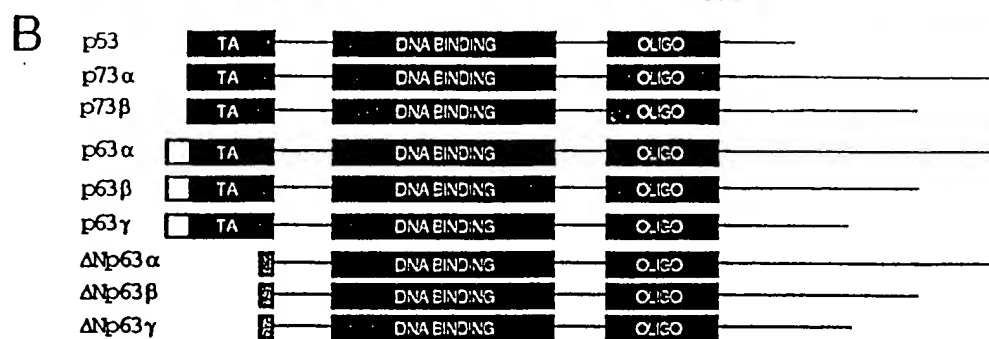


Figure 2



**C**

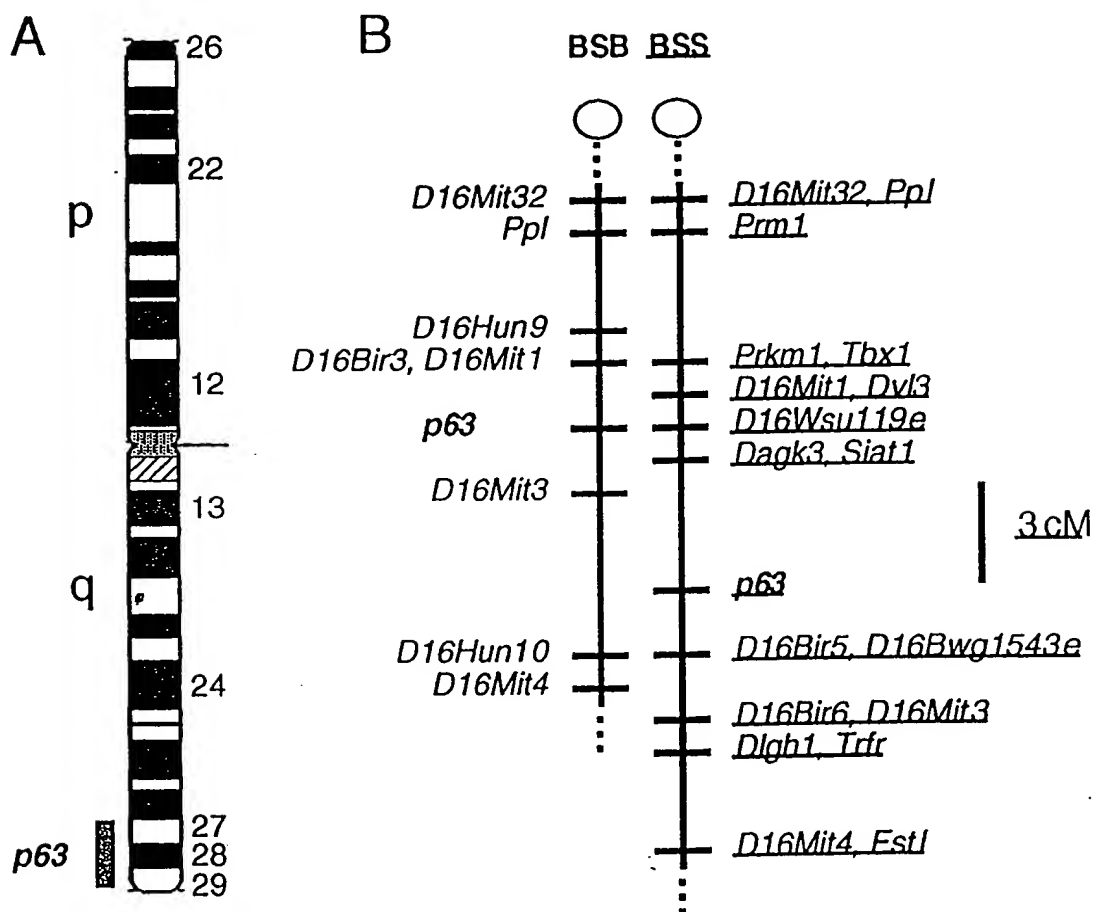
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1	-----	Hu Tp63
1	-----	Hu ΔNp63
31	WKESYYRSA MSQSTQT SEFLSPEVFQHIWD	Mu TA*p63
1	-----	Hu TAp63
1	-----	Hu ΔNp63
61	FLEQPICSVQPI ELNFVDEPSE NGATNKIE	Mu TA*p63
22	FLEQPICSVQPI DLNFVDEPSE DGATNKIE	Hu TAp63
1	-----	Hu ΔNp63
91	ISMDCIRMQDS DLSDPHWPQYTNLGLLNSM	Mu TA*p63
52	ISMDCIRMQDS DLSDPHWPQYTNLGLLNSM	Hu TAp63
1	-----	Hu ΔNp63

**D**

1	RQQQQQQQHQLLQKQTSIQSPSSYGNSSPP	Hu p63α
1	RQQQQQQQHQLLQKQTSIQSPSSYGNSSPP	Hu p63β
1	RQQQQQQQHQLLQKHLLSACFRNELVEPRR	Hu p63γ
31	LNKMNSMNKLPSVSQLINPQQRNALTPPTI	Hu p63α
31	LNKMNSMNKLPSVSQLINPQQRNALTPPTI	Hu p63β
31	ETPKQSDVFFRHSKPPNRSVYP	Hu p63γ
61	PDGMGANIPMMGTHMPHAGDMNGLSPTQAL	Hu p63α
61	PDGMGANIPMMGTHMPHAGDMNGLSPTQAL	Hu p63β
52		Hu p63γ
91	PPPLSMPSTSHCTPPPPYPTDCSIVSFLAR	Hu p63α
91	PPPLSMPSTSHCTPPPPYPTDCSIVRIWQV	Hu p63β
52		Hu p63γ
121	LGCSSCLDYFTTQGLTTIYQIEHYSMDDLA	Hu p63α
120		Hu p63β
52		Hu p63γ
151	SLKIPEQFRHAIWKGILDHRQLHEFSSPSH	Hu p63α
120		Hu p63β
52		Hu p63γ
181	LLRTPSSASTVSVGSSETRGERVIDAVRFT	Hu p63α
120		Hu p63β
52		Hu p63γ
211	LRQTISFPFRDEWNDNFMDARRNKQQRRI	Hu p63α
120		Hu p63β
52		Hu p63γ
241	KEEGE	Hu p63α
120		Hu p63β
52		Hu p63γ



Figure 3



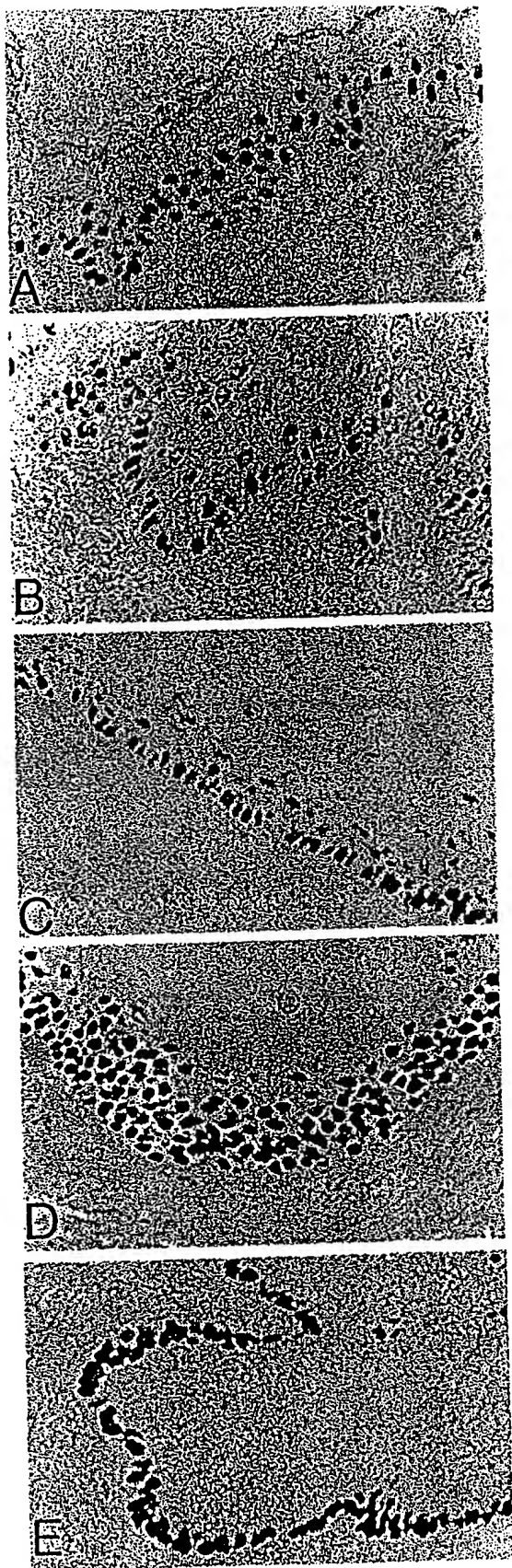


Figure 4



Figure 5

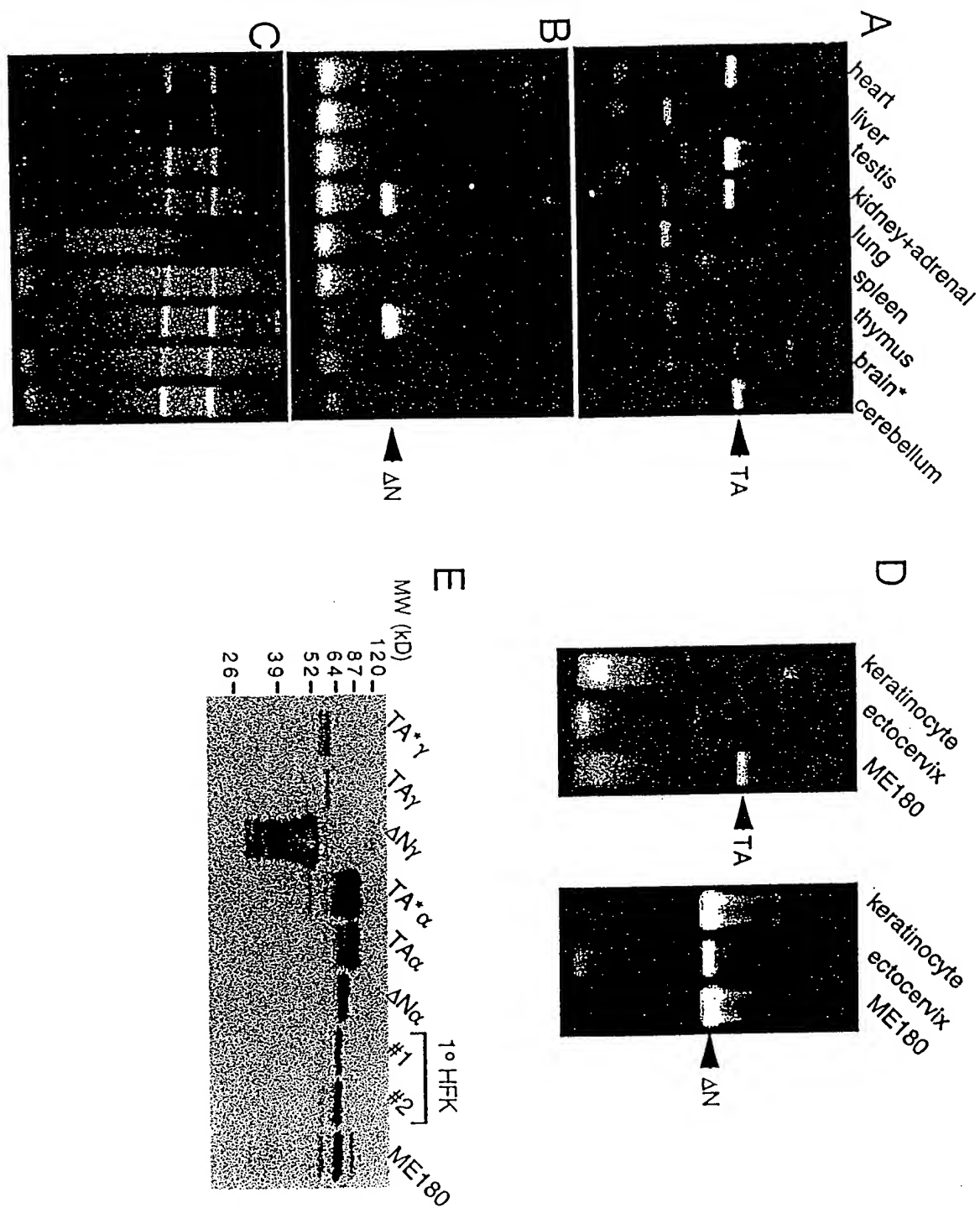
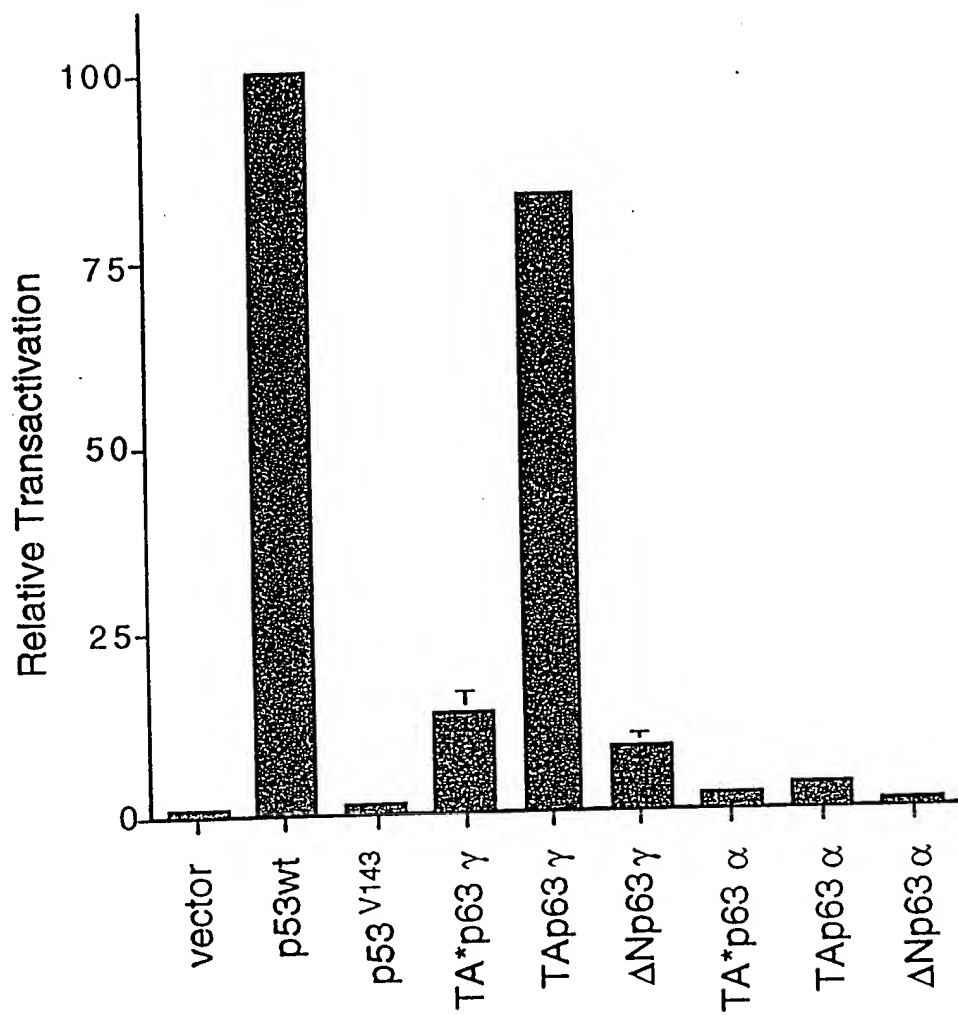




Figure 6



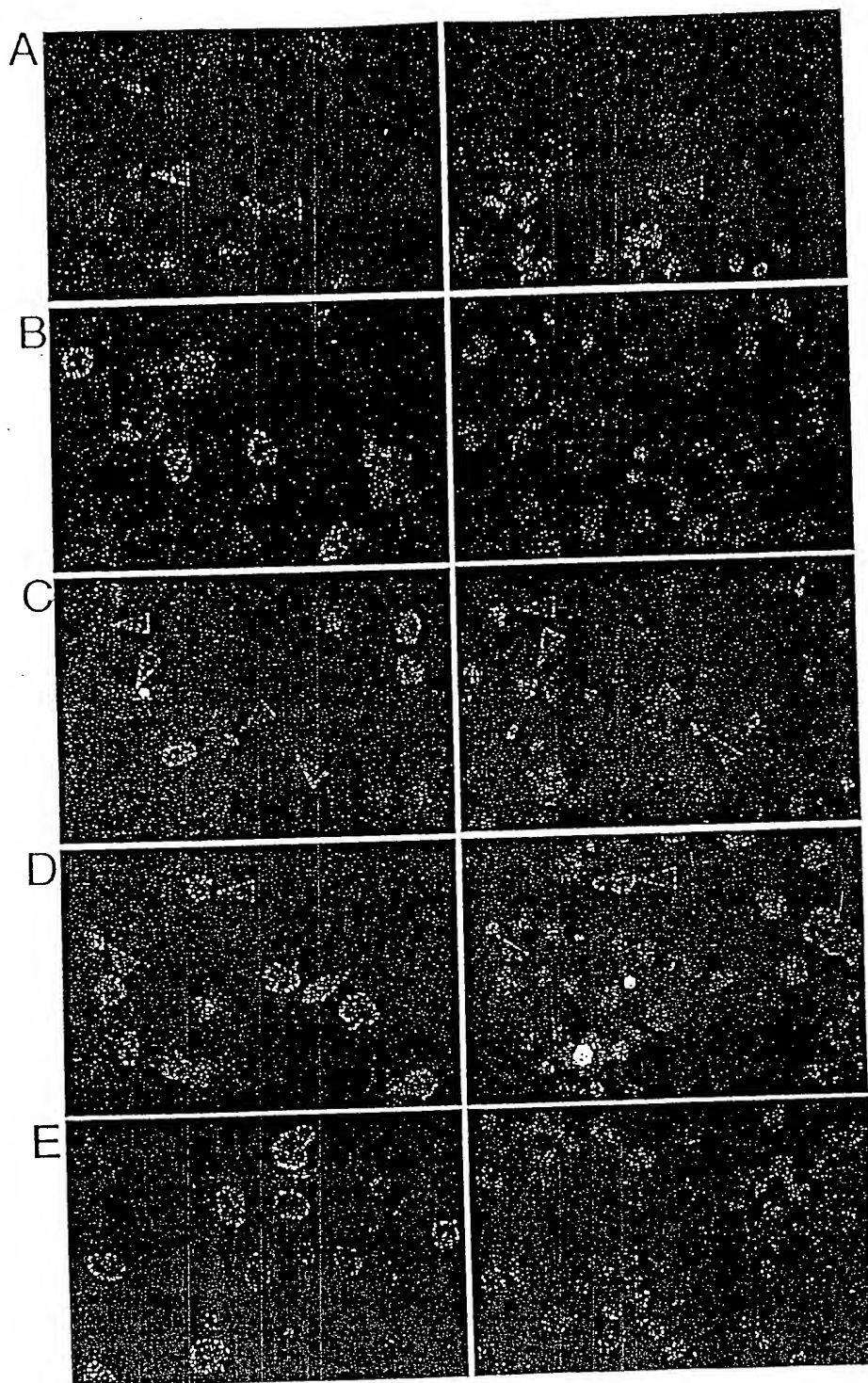


Figure 7

Figure 8

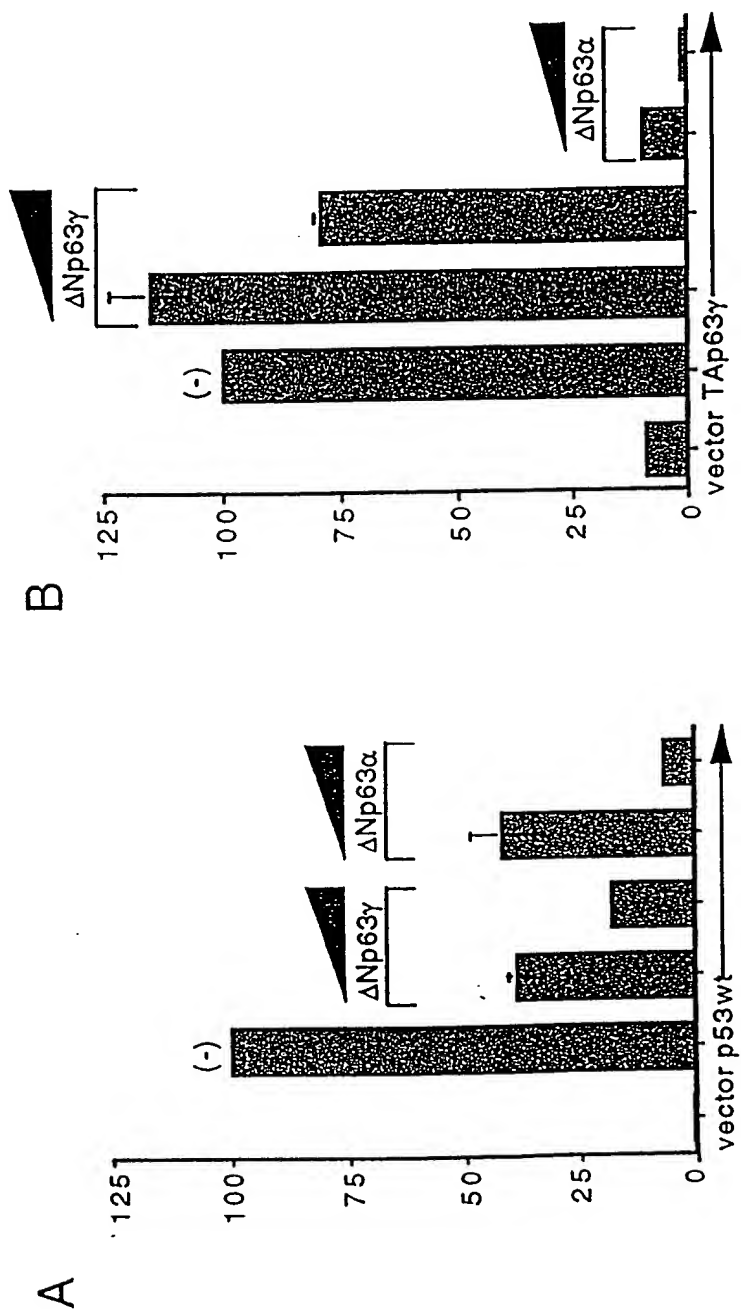






Figure 9

1/1 31/11  
ATG TCC CAG AGC ACA CAG ACA AAT GAA TTC CTC AGT CCA GAG GTT TTC CAG CAT ATC TGG  
M S Q S T Q T N E F L S P E V F Q H I W  
61/21 91/31  
GAT TTT CTG GAA CAG CcT ATA TGT TCA GTT CAG CCC ATT GAC TTG AAC TTT GTG GAT GAA  
D F L E Q P I C S V Q P I D L N F V D E  
121/41 151/51  
CCA TCA GAA GAT GGT GCG ACA AAC AAG ATT GAG ATT AGC ATG GAC TGT ATC CGC ATG CAG  
P S E D G A T N K I E I S M D C I R M Q  
181/61 211/71  
GAC TCG GAC CTG AGT GAC CCC ATG TGG CCA CAG TAC AGC AAC CTG GGG CTC CTG AAC AGC  
D S D L S D P M W P Q Y T N L G L L N S  
241/81 271/91  
ATG GAC CAG CAG ATT CAG AAC GGC TCC TCG TCC ACC AGT CCC TAT AAC ACA GAC CAC GCG  
M D Q Q I Q N G S S S T S P Y N T D H A  
301/101 331/111  
CAG AAC AGC GTC ACG GCG CCC TCG CCC TAC GCA CAG CCC AGC TCC ACC TTC GAT GCT CTC  
Q N S V T A P S P Y A Q P S S T F D A L  
361/121 391/131  
TCT CCA TCA CCC GCC ATC CCC TCC AAC ACC GAC TAC CCA GGC CCG CAC AGT TTC GAC GTG  
S P S P A I P S N T D Y P G P H S F D V  
421/141 451/151  
TCC TTC CAG CAG TCG AGC ACC GCC AAG TCG GCC ACC TGG ACG TAT TCC ACT GAA CTG AAG  
S F Q Q S S T A K S A T W T Y S T E L K  
481/161 511/171  
AAA CTC TAC TGC CAA ATT GCA AAG ACA TGC CCC ATC CAG ATC AAG GTG ATG ACC CCA CCT  
K L Y C Q I A K T C P I Q I X V M T P P  
541/181 571/191  
CCT CAG GGA GGT GTT ATC CGC GCC ATG CCT GTC TAC AAA AAA GCT GAG CAC GTC ACG GAG  
P Q G A V I R A M P V Y K K A E H V T E  
601/201 631/211  
GTG GTG AAG CGG TGC CCC AAC CAT GAG CTG AGC CGT GAA TTC AAC GAG GGA CAG ATT GCC  
V V K R C P N H E L S R E F N E G Q I A  
661/221 691/231  
CCT CCT AGT CAT TTG ATT CGA GTA GAG GCG AAC AGC CAT GCC CAG TAT GTA GAA GAT CCC  
P P S H L I R V E G N S H A Q Y V E D P  
721/241 751/251  
ATC ACA GGA AGA CAG AGT GTG CTG GTA CCT TAT GAG CCA CCC CAG GTT GGC ACT GAA TTC  
I T G R Q S V L V P Y E P P Q V G T E F  
781/261 811/271  
ACG ACA GTC TTG TAC AAT TTC ATG TGT AAC AGC AGT TGT GTT GGA GGG ATG AAC cgc Cgt  
T T V L Y N P M C N S S C V G G M N R R  
841/281 871/291  
CCA aTT TTA ATC ATT GTT ACT CTG GAA ACC AGA GAT GGG CAA GTC CTG GGC CGA CGC TGC  
P I L I I V T L E T R D G Q V L G R R C  
901/301 931/311  
TTT GAG GCC CGG ATC TGT GCT TGC CCA GGA AGA GAC AGG AAG GCG GAT GAA GAT AGC ATC  
F E A R I C A C P G R D R K A D E D S I  
961/321 991/331  
AGA AAG CAG CAA GTT TCG GAC AGT ACA AAG AAC GGT GAT GGT ACG AAG CGC CCG TTT CGT  
R K Q Q V S D S T K N G D G T K R P F R  
1021/341 1051/351  
CAG AAC ACA CAT GGT ATC CAG ATG ACA TCC ATC AAG AAA CGA AGA TCC CCA GAT GAT GAA  
Q N T H G I Q M T S I K K R R S P D D E  
1081/361 1111/371  
CTG TTA TAC TTA CCA GTG AGG GGC CGT GAG ACT TAT GAA ATG CTG TTG AAG ATC AAA GAG  
L L Y L P V R G R E T Y E M L L K I K E  
1141/381 1171/391  
TCC CTG GAA CTC ATG CAG TAC CTT CCT CAG CAC ACA ATT GAA ACG TAC AGG CAA CAG CAA  
S L E L M Q Y L P Q H T I E T Y R Q Q Q



Figure 9 Cont.

1201/401  
CAG CAG CAG CAC CAG CAC TTA CTT CAG AAA CAG ACC TCA ATA CAG TCT CCA TCT TCA TAT  
Q Q Q H Q H L L Q K Q T S I Q S P S S Y  
1261/421  
GGT AAC AGC TCC CCA CCT CTG AAC AAA ATG AAC AGC ATG AAC AAG CTG CCT TCT GTG AGC  
G N S S P P L N K M N S M N K L P S V S  
1321/441  
CAG CTT ATC AAC CCT CAG CAG CGC AAC GCC CTC ACT CCT ACA ACC ATT CCT GAT GGC ATG  
Q L I N P Q Q R N A L T P T T I P D G M  
1381/461  
GGA GCC AAC ATT CCC ATG ATG GGC ACC CAC ATG CCA ATG GCT GGA GAC ATG AAT GGA CTC  
G A N I P M M G T H M P M A G D M N G L  
1441/481  
AGC CCC ACC CAG GCA CTC CCT CCC CCA CTC TCC ATG CCA TCC ACC TCC CAC TGC ACA CCC  
S P T Q A L P P P L S M P S T S H C T P  
1501/501  
CCA CCT CCG TAT CCC ACA GAT TGC AGC ATT GTC AGT TTC TTA GCG AGG TTG GGC TGT TCA  
P P P Y P T D C S I V S F L A R L G C S  
1561/521  
TCA TGT CTG GAC TAT TTC ACG ACC CAG GGG CTG ACC ACC ATC TAT CAG ATT GAG CAT TAC  
S C L D Y F T T Q G L T T I Y Q I E H Y  
1621/541  
TCC ATG GAT GAT CTG GCA AGT CTG AAA ATC CCT GAG CAA TTT CGA CAT GCG ATC TGG AAG  
S M D D L A S L K I P E Q F R H A I W K  
1681/561  
GGC ATC CTG GAC CAC CGG CAG CTC CAC GAA TTC TCC TCC CCT TCT CAT CTC CTG CGG ACC  
G I L D H R Q L H E F S S P S H L L R T  
1741/581  
CCA AGC AGT GCC TCT ACA GTC AGT GTG GGC TCC AGT GAG ACC CGG GGT GAG CGT GTT ATT  
P S S A S T V S V G S S E T R G E R V I  
1801/601  
GAT GCT GTG CGA TTC ACC CTC CGC CAG ACC ATC TCT TTC CCA CCC CGA GAT GAG TGG AAT  
D A V R F T L R Q T I S F P P R D E W N  
1861/621  
GAC TTC AAC TTT GAC ATG GAT GCT CGC CGC AAT AAG CAA CAG CGC ATC AAA GAG GAG GGG  
D F N F D M D A R R N K Q Q R I K E E G  
1921/641  
GAG TGA  
E \*



Figure 10

1/1  
ATG TCC CAG AGC ACA CAG ACA AAT GAA TTC  
M S Q S T Q T N E F  
61/21  
GAT TTT CTG GAA CAG CcT ATA TGT TCA GTT  
D F L E Q P I C S V  
121/41  
CCA TCA GAA GAT GGT GCG ACA AAC AAG ATT  
P S E D G A T N K I  
181/61  
GAC TCG GAC CTG AGT GAC CCC ATG TGG CCA  
D S D L S D P M W P  
241/81  
ATG GAC CAG CAG ATT CAG AAC GGC TCC TCG  
M D Q Q I Q N G S S  
301/101  
CAG AAC AGC GTC ACG GCG CCC TCG CCC TAC  
Q N S V T A P S P Y  
361/121  
TCT CCA TCA CCC GCC ATC CCC TCC AAC ACC  
S P S P A I P S N T  
421/141  
TCC TTC CAG CAG TCG AGC ACC GCC AAG TCG  
S F Q Q S S T A K S  
481/161  
AAA CTC TAC TGC CAA ATT GCA AAG ACA TGC  
X L Y C Q I A K T C  
541/181  
CCT CAG GGA GCT GTT ATC CGC GCC ATG CCT  
P Q G A V I R A M P  
601/201  
GTG GTG AAG CGG TGC CCC AAC CAT GAG CTG  
V V K R C P N H E L  
661/221  
CCT CCT AGT CAT TTG ATT CGA GTA GAG GGG  
P P S H L I R V E G  
721/241  
ATC ACA GGA AGA CAG AGT GTG CTG GTA CCT  
I T G R Q S V L V P  
781/261  
ACG ACA GTc TTG TAC AAT TTC ATG TGT AAC  
T T V L Y N F M C N  
841/281  
CCa aTT TTA ATC ATT GTT ACT CTG GAA ACC  
P I L I I V T L E T  
901/301  
TTT GAG GCC CGG ATC TGT GCT TGC CCA GGA  
F E A R I C A C P G  
961/321  
AGA AAG CAG CAA GTT TCG GAC AGT ACA AAG  
R K Q Q V S D S T K  
1021/341  
CAG AAC ACA CAT GGT ATC CAG ATG ACA TCC  
Q N T H G I Q M T S  
1081/361  
CTG TTA TAC TTA CCA GTG AGG GGC CGT GAG  
L L Y L P V R G R E  
1141/381  
TCC CTG GAA CTC ATG CAG TAC CTT CCT CAG  
S L E L M Q Y L P Q  
31/11  
CTC AGT CCA GAG GTT TTC CAG CAT ATC TGG  
L S P E V F Q H I W  
91/31  
CAG CCC ATT GAC TIG AAC TTT GTG GAT GAA  
Q P I D L N F V D E  
151/51  
GAG ATT AGC ATG GAC TGT ATC CGC ATG CAG  
E I S M D C I R M Q  
211/71  
CAG TAC ACG AAC CTG GGG CTC CTG AAC AGC  
Q Y T N L G L L N S  
271/91  
TCC ACC AGT CCC TAT AAC ACA GAC CAC GCG  
S T S P Y N T D H A  
331/111  
GCA CAG CCC AGC TCC ACC TTC GAT GCT CTC  
A Q P S S T F D A L  
391/131  
GAC TAC CCA GGC CCG CAC AGT TTC GAC GTG  
D Y P G P H S F D V  
451/151  
GCC ACC TGG ACG TAT TCC ACT GAA CTG AAG  
A T W T Y S T E L K  
511/171  
CCC ATC CAG ATC AAG GTG ATG ACC CCA CCT  
P I Q I K V M T P P  
571/191  
GTC TAC AAA AAA GCT GAG CAC GTC ACG GAG  
V Y K K A E H V T E  
631/211  
AGC CGT GAA TTC AAC GAG GGA CAG ATT GCC  
S R E F N E G Q I A  
691/231  
AAC AGC CAT GCC CAG TAT GTA GAA GAT CCC  
N S H A Q Y V E D P  
751/251  
TAT GAG CCA CCC CAG GTT GGC ACT GAA TTC  
Y E P P Q V G T E F  
811/271  
AGC AGT TGT GTT GGA GGG ATG AAC cgc Cgt  
S S C V G G M N R R  
871/291  
AGA GAT GGG CAA GTC CTG GGC CGA CGC TGC  
R D G Q V L G R R C  
931/311  
AGA GAC AGG AAG GCG GAT GAA GAT AGC ATC  
R D R K A D E D S I  
991/331  
AAC GGT GAT GGT ACG AAG CGC CCG TTT CGT  
N G D G T K R P F R  
1051/351  
ATC AAG AAA CGA AGA TCC CCA GAT GAT GAA  
I K K R R S P D D E  
1111/371  
ACT TAT GAA ATG CTG TTG AAG ATC AAA GAG  
T Y E M L L K I K E  
1171/391  
CAC ACA ATT GAA ACG TAC ACG CAA CAG CAA  
H T I E T Y R Q Q Q



Figure 10 Cont.

1201/401  
CAG CAG CAG CAC CAG CAC TTA CTT CAG AAA CAG ACC TCA ATA CAG TCT CCA TCT TCA TAT  
Q Q Q H Q H L L Q K Q T S I Q S P S S Y  
1261/421  
GGT AAC AGC TCC CCA CCT CTG AAC AAA ATG AAC AGC ATG AAC AAG CTG CCT TCT GTG AGC  
G N S S P P L N K M N S M N K L P S V S  
1321/441  
CAG CTT ATC AAC CCT CAG CAG CGC AAC GCC CTC ACT CCT ACA ACC ATT CCT GAT GGC ATG  
Q L I N P Q Q R N A L T P T T I P D G M  
1381/461  
GGA GCC AAC ATT CCC ATG ATG GGC ACC CAC ATG CCA ATG GCT GGA GAC ATG AAT GGA CTC  
G A N I P M M G T H M P M A G D M N G L  
1441/481  
AGC CCC ACC CAG GCA CTC CCT CCC CCA CTC TCC ATG CCA TCC ACC TCC CAC TGC ACA CCC  
S P T Q A L P P P L S M P S T S H C T P  
1501/501  
CCA CCT CCG TAT CCC ACA GAT TGC AGC ATT GTC AGG ATC TGG CAA GTC TGA  
P P P Y P T D C S I V R I W Q V \*



Figure 11

1/1  
ATG TCC CAG AGC ACA CAG ACA AAT GAA TTC  
M S Q S T Q T N E F L S P E V F Q H I W  
61/21  
GAT TTT CTG GAA CAG CcT ATA TGT TCA GTT  
D F L E Q P I C S V Q P I D L N F V D E  
121/41  
CCA TCA GAA GAT GGT GCG ACA AAC AAG ATT  
P S E D G A T N K I E I S M D C I R M Q  
181/61  
GAC TCG GAC CTG AGT GAC CCC ATG TGG CCA  
D S D L S D P M W P Q Y T N L G L L N S  
241/81  
ATG GAC CAG CAG ATT CAG AAC GGC TCC TCG  
M D Q Q I Q N G S S S T S P Y N T D H A  
301/101  
CAG AAC AGC GTC ACG GCG CCC TCG CCC TAC  
Q N S V T A P S P Y A Q P S S T F D A L  
361/121  
TCT CCA TCA CCC GCC ATC CCC TCC AAC ACC  
S P S P A I P S N T D Y P G P H S F D V  
421/141  
TCC TTC CAG CAG TCG AGC ACC GCC AAG TCG  
S F Q Q S S T A K S A T W T Y S T E L K  
481/161  
AAA CTC TAC TGC CAA ATT GCA AAG ACA TGC  
K L Y C Q I A K T C P I Q I K V M T P P  
541/181  
CCT CAG GGA GCT GTT ATC CGC GCC ATG CCT  
P Q G A V I R A M P V Y K K A E H V T E  
601/201  
GTG GTG AAG CGG TGC CCC AAC CAT GAG CTG  
V V K R C P N H E L S R E F N E G Q I A  
661/221  
CCT CCT AGT CAT TTG ATT CGA GTA GAG GGG  
P P S H L I R V E G N S H A Q Y V E D P  
721/241  
ATC ACA GGA AGA CAG AGT GTG CTG GTA CCT  
I T G R Q S V L V P Y E P P Q V G T E F  
781/261  
ACG ACA GTC TTG TAC AAT TTC ATG TGT AAC  
T T V L Y N F M C N S S C V G G M N R R  
841/281  
CCA aTT TTA ATC ATT GTT ACT CTG GAA ACC  
P I L I I V T L E T R D G Q V L G R R C  
901/301  
TTT GAG GCC CGG ATC TGT GCT TGC CCA GGA  
F E A R I C A C P G R D R K A D E D S I  
961/321  
AGA AAG CAG CAA GTT TCG GAC AGT ACA AAG  
R K Q Q V S D S T K N G D G T K R P F R  
1021/341  
CAG AAC ACA CAT GGT ATC CAG ATG ACA TCC  
Q N T H G I Q M T S I K K R R S P D D E  
1081/361  
CTG TTA TAC TTA CCA GTG AGG GGC CGT GAG  
L L Y L P V R G R E T Y E M L L K I K E  
1141/381  
TCC CTG GAA CTC ATG CAG TAC CTT CCT CAG  
S L E L M Q Y L P Q H T I E T Y R Q Q Q

31/11  
CTC AGT CCA GAG GTT TTC CAG CAT ATC TGG  
L S P E V F Q H I W  
91/31  
CAG CCC ATT GAC TTG AAC TTT GTG GAT GAA  
Q P I D L N F V D E  
151/51  
GAG ATT AGC ATG GAC TGT ATC CGC ATG CAG  
E I S M D C I R M Q  
211/71  
CAG TAC ACG AAC CTG GGG CTC CTG AAC AGC  
Q Y T N L G L L N S  
271/91  
TCC ACC AGT CCC TAT AAC ACA GAC CAC GCG  
S T S P Y N T D H A  
331/111  
GCA CAG CCC AGC TCC ACC TTC GAT GCT CTC  
A Q P S S T F D A L  
391/131  
GAC TAC CCA GGC CCG CAC AGT TTC GAC GTG  
D Y P G P H S F D V  
451/151  
GCC ACC TGG ACG TAT TCC ACT GAA CTG AAG  
A T W T Y S T E L K  
511/171  
CCC ATC CAG ATC AAG GTG ATG ACC CCA CCT  
P I Q I K V M T P P  
571/191  
GTC TAC AAA AAA GCT GAG CAC GTC ACG GAG  
V Y K K A E H V T E  
631/211  
AGC CGT GAA TTC AAC GAG GGA CAG ATT GCC  
S R E F N E G Q I A  
691/231  
AAC AGC CAT GCC CAG TAT GTA GAA GAT CCC  
N S H A Q Y V E D P  
751/251  
TAT GAG CCA CCC CAG GTT GGC ACT GAA TTC  
Y E P P Q V G T E F  
811/271  
AGC AGT TGT GTT GGA GCG ATG AAC cgc Cgt  
S S C V G G M N R R  
871/291  
AGA CAT GGG CAA GTC CTG GGC CGA CGC TGC  
R D G Q V L G R R C  
931/311  
AGA GAC AGG AAG GCG GAT GAA GAT AGC ATC  
R D R K A D E D S I  
991/331  
AAC GGT GAT GGT ACG AAG CGC CCG TTT CGT  
N G D G T K R P F R  
1051/351  
ATC AAG AAA CGA AGA TCC CCA GAT GAT GAA  
I K K R R S P D D E  
1111/371  
ACT TAT GAA ATG CTG TTG AAG ATC AAA GAG  
T Y E M L L K I K E  
1171/391  
CAC ACA ATT GAA ACG TAC AGG CAA CAG CAA  
H T I E T Y R Q Q Q



Figure 11 Cont.

1201/401	1231/411
CAG CAG CAG CAC CAG CAC TTA CTT CAG AAA	CAT CTC CTT TCA GCC TGC TTC AGG AAT GAG
Q Q Q H Q H L L Q K	H L L S A C F R N E
1261/421	1291/431
CTT GTG GAG CCC CGG AGA GAA ACT CCA AAA	CAA TCT GAC GTC TTC TTT AGA CAT TCC AAG
L V E P R R E T P K	Q S D V F F R H S K
1321/441	
CCC CCA AAC CGA TCA GTG TAC CCA TAG	
P P N R S V Y P *	



Figure 12

1/1  
ATG TTG TAC CTG GAA AAC AAT GCC CAG ACT CAA TTT AGT GAG CCA CAG TAC ACG AAC CTG  
M L Y L E N N A Q T Q F S E P Q Y T N L  
61/21  
GGG CTC CTG AAC AGC ATG GAC CAG CAG ATT CAG AAC GGC TCC TCG TCC ACC AGT CCC TAT  
G L L N S M D Q Q I Q N G S S S T S P Y  
121/41  
AAC ACA GAC CAC GCG CAG AAC AGC GTC ACG GCG CCC TCG CCC TAC GCA CAG CCC AGC TCC  
N T D H A Q N S V T A P S P Y A Q P S S  
181/61  
ACC TTC GAT GCT CTC TCT CCA TCA CCC GCC ATC CCC TCC AAC ACC GAC TAC CCA GGC CCG  
T F D A L S P S P A I P S N T D Y P G P  
241/81  
CAC AGT TTC GAC GTG TCC TTC CAG CAG TCG AGC ACC GCC AAG TCG GCC ACC TGG ACG TAT  
H S F D V S F Q Q S S T A K S A T W T Y  
301/101  
TCC ACT GAA CTG AAG AAA CTC TAC TGC CAA ATT GCA AAG ACA TGC CCC ATC CAG ATC AAG  
S T E L K K L Y C Q I A K T C P I Q I K  
361/121  
GTG ATG ACC CCA CCT CCT CAG GGA GCT GTT ATC CGC GCC ATG CCT GTC TAC AAA AAA GCT  
V M T P P P Q G A V I R A M P V Y K K A  
421/141  
GAG CAC GTC ACG GAG GTG GTG AAG CGG TGC CCC AAC CAT GAG CTG AGC CGT GAA TTC AAC  
E H V T E V V K R C P N H E L S R E F N  
481/161  
GAG GGA CAG ATT GCC CCT CCT AGT CAT TTG ATT CGA GTA GAG GGG AAC AGC CAT GCC CAG  
E G Q I A P P S H L I R V E G N S H A Q  
541/181  
TAT GTA GAA GAT CCC ATC ACA GGA AGA CAG AGT GTG CTG GTA CCT TAT GAG CCA CCC CAG  
Y V E D P I T G R Q S V L V P Y E P P Q  
601/201  
GTT GGC ACT GAA TTC ACG ACA GTC TTG TAC AAT TTC ATG TGT AAC AGC AGT TGT GTT GGA  
V G T E F T T V L Y N F M C N S S C V G  
661/221  
GGG ATG AAC cgc Cgt CCA aTT TTA ATC ATT GTT ACT CTG GAA ACC AGA GAT GGG CAA GTC  
G M N R R P I L I I V T L E T R D G Q V  
721/241  
CTG GGC CGA CGC TGC TTT GAG GCC CGG ATC TGT GCT TGC CCA GGA AGA GAC AGG AAG GCG  
L G R R C F E A R I C A C P G R D R K A  
781/261  
GAT GAA GAT AGC ATC AGA AAG CAG CAA GTT TCG GAC AGT ACA AAG AAC GGT GAT GGT ACG  
D E D S I R K Q Q V S D S T K N G D G T  
841/281  
AAG CGC CCG TTT CGT CAG AAC ACA CAT GGT ATC CAG ATG ACA TCC ATC AAG AAA CGA AGA  
K R P F R Q N T H G I Q M T S I K K R R  
901/301  
TCC CCA GAT GAT GAA CTG TTA TAC TTA CCA GTG AGG GGC CGT GAG ACT TAT GAA ATG CTG  
S P D D E L L Y L P V R G R E T Y E M L  
961/321  
TTG AAG ATC AAA GAG TCC CTG GAA CTC ATG CAG TAC CTT CCT CAG CAC ACA ATT GAA ACG  
L K I K E S L E L M Q Y L P Q H T I E T  
1021/341  
TAC AGG CAA CAG CAA CAG CAG CAG CAG CAC CAG CAC TTA CTT CAG AAA CAG ACC TCA ATA CAG  
Y R Q Q Q Q Q Q H Q H L L Q K Q T S I Q  
1081/361  
TCT CCA TCT TCA TAT GGT AAC AGC TCC CCA CCT CTG AAC AAA ATG AAC AGC ATG AAC AAG  
S P S S Y G N S S P C P L N K M N S M N K  
1141/381  
CTG CCT TCT GTG AGC CAG CTT ATC AAC CCT CAG CAG CGC AAC GCC CTC ACT CCT ACA ACC  
L P S V S Q L I N P Q Q R N A L T P T T



Figure 12 Cont.

1201/401  
ATT CCT GAT GGC ATG GGA GCC AAC ATT CCC ATG ATG GGC ACC CAC ATG CCA ATG GCT GGA  
I P D G M G A N I P M M G T H M P M A G

1261/421  
GAC ATG AAT GGA CTC AGC CCC ACC CAG GCA CTC CCT CCC CCA CTC TCC ATG CCA TCC ACC  
D M N G L S P T Q A L P P P L S M P S T

1321/441  
TCC CAC TGC ACA CCC CCA CCT CCG TAT CCC ACA GAT TGC AGC ATT GTC AGT TTC TTA GCG  
S H C T P P P P Y P T D C S I V S F L A

1381/461  
AGG TTG GGC TGT TCA TCA TGT CTG GAC TAT TTC ACG ACC CAG GGG CTG ACC ACC ATC TAT  
R L G C S S C L D Y F T T Q G L T T I Y

1441/481  
CAG ATT GAG CAT TAC TCC ATG GAT GAT CTG GCA AGT CTG AAA ATC CCT GAG CAA TTT CGA  
Q I B H Y S M D D L A S L K I P E Q F R

1501/501  
CAT CCG ATC TGG AAG GGC ATC CTG GAC CAC CGG CAG CTC CAC GAA TTC TCC TCC CCT TCT  
H A I W K G I L D H R Q L H E F S S P S

1561/521  
CAT CTC CTG CCG ACC CCA AGC AGT GCC TCT ACA GTC AGT GTG GGC TCC AGT GAG ACC CGG  
H L L R T P S S A S T V S V G S S E T R

1621/541  
GGT GAG CGT GTT ATT GAT GCT GTG CGA TTC ACC CTC CGC CAG ACC ATC TCT TTC CCA CCC  
G E R V I D A V R F T L R Q T I S F P P

1681/561  
CGA GAT GAG TGG AAT GAC TTC AAC TTT GAC ATG GAT GCT CGC CGC AAT AAG CAA CAG CGC  
R D E W N D F N F D M D A R R N K Q Q R

1741/581  
ATC AAA GAG GAG GGG GAG TGA  
I K E E G E \*

1231/411  
M M G T H M P M A G

1291/431  
L P P P L S M P S T

1351/451  
T D C S I V S F L A

1411/471  
TTC ACG ACC CAG GGG CTG ACC ACC ATC TAT

1471/491  
GCA AGT CTG AAA ATC CCT GAG CAA TTT CGA

1531/511  
CGG CAG CTC CAC GAA TTC TCC TCC CCT TCT

1591/531  
ACA GTC AGT GTG GGC TCC AGT GAG ACC CGG

1651/551  
ACC CTC CGC CAG ACC ATC TCT TTC CCA CCC

1711/571  
ATG GAT GCT CGC CGC AAT AAG CAA CAG CGC





Figure 13

1/1 31/11  
ATG TTG TAC CTG GAA AAC AAT GCC CAG ACT CAA TTT AGT GAG CCA CAG TAC ACG AAC CTG  
M L Y L E N N A Q T Q F S E P Q Y T N L  
61/21 91/31  
GGG CTC CTG AAC AGC ATG GAC CAG CAG ATT CAG AAC GGC TCC TCG TCC ACC AGT CCC TAT  
G L L N S M D Q Q I Q N G S S S T S P Y  
121/41 151/51  
AAC ACA GAC CAC GCG CAG AAC AGC GTC ACG GCG CCC TCG CCC TAC GCA CAG CCC AGC TCC  
N T D H A Q N S V T A P S P Y A Q P S S  
181/61 211/71  
ACC TTC GAT GCT CTC TCT CCA TCA CCC GCC ACC CCC TCC AAC ACC GAC TAC CCA GGC CCG  
T F D A L S P S P A I P S N T D Y P G P  
241/81 271/91  
CAC AGT TTC GAC GTG TCC TTC CAG CAG TCG AGC ACC GCC AAG TCG GCC ACC TGG ACG TAT  
H S F D V S F Q Q S S T A K S A T W T Y  
301/101 331/111  
TCC ACT GAA CTG AAG AAA CTC TAC TGC CAA ATT GCA AAG ACA TGC CCC ATC CAG ATC AAG  
S T E L K K L Y C Q I A K T C P I Q I K  
361/121 391/131  
GTG ATG ACC CCA CCT CCT CAG GGA GGT GTT ATC CGC GCC ATG OCT GTC TAC AAA AAA GCT  
V M T P P P Q G A V I R A M P V Y K K A  
421/141 451/151  
GAG CAC GTC ACG GAG GTG GTG AAG CGG TGC CCC AAC CAT GAG CTG AGC CGT GAA TTC AAC  
E H V T E V V K R C P N H E L S R E F N  
481/161 511/171  
GAG GGA CAG ATT GCC CCT CCT AGT CAT TTG ATT CGA GTA GAG GGG AAC AGC CAT GCC CAG  
E G Q I A P P S H L I R V E G N S H A Q  
541/181 571/191  
TAT GTA GAA GAT CCC ATC ACA GGA AGA CAG AGT GTG CTG GTA CCT TAT GAG CCA CCC CAG  
Y V E D P I T G R Q S V L V P Y E P P Q  
601/201 631/211  
GTT GGC ACT GAA TTC ACG ACA GTC TTG TAC AAT TTC ATG TGT AAC AGC AGT TGT GTT GGA  
V G T E F T T V L Y N F M C N S S C V G  
661/221 691/231  
GGG ATG AAC cgc Cgt Cca aTT TTA ATC ATT GTT ACT CTG GAA ACC AGA GAT GGG CAA GTC  
G M N R R P I L I I V T L E T R D G Q V  
721/241 751/251  
CTG GGC CGA CGC TGC TTT GAG GCC CGG ATC TGT GCT TGC CCA GGA AGA GAC AGG AAG GCG  
L G R R C F E A R I C A C P G R D R K A  
781/261 811/271  
GAT GAA GAT AGC ATC AGA AAG CAG CAA GTT TCG GAC AGT ACA AAG AAC GGT GAT GGT ACG  
D E D S I R K Q Q V S D S T K N G D G T  
841/281 871/291  
AAG CGC CCG TTT CGT CAG AAC ACA CAT GGT ATC CAG ATG ACA TCC ATC AAG AAA CGA AGA  
K R P F R Q N T H G I Q M T S I K K R R  
901/301 931/311  
TCC CCA GAT GAT GAA CTG TTA TAC TTA CCA GTG AGG GGC CGT GAG ACT TAT GAA ATG CTG  
S P D D E L L Y L P V R G R E T Y E M L  
961/321 991/331  
TTG AAG ATC AAA GAG TCC CTG GAA CTC ATG CAG TAC CTT CCT CAG CAC ACA ATT GAA ACG  
L K I K E S L E L M Q Y L P Q H T I E T  
1021/341 1051/351  
TAC AGG CAA CAG CAA CAG CAG CAG CAC CAG CAC TTA CTT CAG AAA CAG ACC TCA ATA CAG  
Y R Q Q Q Q Q H Q H L L Q K Q T S I Q  
1081/361 1111/371  
TCT CCA TCT TCA TAT GGT AAC AGC TCC CCA CCT CTG AAC AAA ATG AAC AGC ATG AAC AAG  
S P S S Y G N S S P P L N K M N S M N K  
1141/381 1171/391  
CTG OCT TCT GTG AGC CAG CTT ATC AAC CCT CAG CAG CGC AAC GCC CTC ACT CCT ACA ACC  
L P S V S Q L I N P Q Q R N A L T P T T

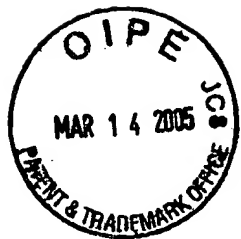


Figure 13 Cont.

1201/401  
ATT CCT GAT GGC ATG GGA GCC AAC ATT CCC  
I P D G M C A N I P  
1261/421  
GAC ATG AAT GGA CTC AGC CCC ACC CAG GCA  
D M N G L S P T Q A  
1321/441  
TCC CAC TGC ACA CCC CCA CCT CCG TAT CCC  
S H C T P P P P Y P  
1381/461  
GTC TGA  
V

1231/411  
ATG ATG GGC ACC CAC ATG CCA ATG GCT GGA  
M M G T H M P M A G  
1291/431  
CTC CCT CCC CCA CTC TCC ATG CCA TCC ACC  
L P P P L S M P S T  
1351/451  
ACA GAT TGC AGC ATT GTC AGG ATC TGG CAA  
T D C S I V R I W Q



Figure 14

1/1  
ATG TTG TAC CTG GAA AAC AAT GCC CAG ACT CAA TTT AGT GAG CCA CAG TAC ACG AAC CTG  
M L Y L E N N A Q T Q F S E P Q Y T N L  
61/21  
GGG CTC CTG AAC AGC ATG GAC CAG CAG ATT CAG AAC GGC TCC TCG TCC ACC AGT CCC TAT  
G L L N S M D Q Q I Q N G S S S T S P Y  
121/41  
AAC ACA GAC CAC GCG CAG AAC AGC GTC ACG GCG CCC TCG CCC TAC GCA CAG CCC AGC TCC  
N T D H A Q N S V T A P S P Y A Q P S S  
181/61  
ACC TTC GAT GCT CTC TCT CCA TCA CCC GCC ATC CCC TCC AAC ACC GAC TAC CCA GGC CCG  
T F D A L S P S P A I P S N T D Y P G P  
241/81  
CAC AGT TTC GAC GTG TCC TTC CAG CAG TCG AGC ACC GCC AAG TCG GCC ACC TGG ACG TAT  
H S F D V S F Q Q S S T A K S A T W T Y  
301/101  
TCC ACT GAA CTG AAG AAA CTC TAC TGC CAA ATT GCA AAG ACA TGC CCC ATC CAG ATC AAG  
S T E L K K L Y C Q I A K T C P I Q I K  
361/121  
GTG ATG ACC CCA CCT CCT CAG GGA GCT GTT ATC CGC GCC ATG CCT GTC TAC AAA AAA GCT  
V M T P P P Q G A V I R A M P V Y K K A  
421/141  
GAG CAC GTC ACG GAG GTG GTG AAG CGG TGC CCC AAC CAT GAG CTG AGC CGT GAA TTC AAC  
E H V T E V V K R C P N H E L S R E F N  
481/161  
GAG GGA CAG ATT GCC CCT CCT AGT CAT TTG ATT CGA GTA GAG GGG AAC AGC CAT GCC CAG  
E G Q I A P P S H L I R V E G N S H A Q  
541/181  
TAT GTA GAA GAT CCC ATC ACA GGA AGA CAG AGT GTG CTG GTA CCT TAT GAG CCA CCC CAG  
Y V E D P I T G R Q S V L V P Y E P P Q  
601/201  
GTT GGC ACT GAA TTC ACG ACA GTC TTG TAC AAT TTC ATG TGT AAC AGC AGT TGT GTT GGA  
V G T E F T T V L Y N F M C N S S C V G  
661/221  
GGG ATG AAC cgc Cgt CCA aTT TTA ATC ATT GTT ACT CTG GAA ACC AGA GAT GGG CAA GTC  
G M N R R P I L I I V T L E T R D G Q V  
721/241  
CTG GGC CGA CGC TGC TTT GAG GCC CGG ATC TGT GCT TGC CCA GGA AGA GAC AGG AAG GCG  
L G R R C F E A R I C A C P G R D R K A  
781/261  
GAT GAA GAT AGC ATC AGA AAG CAG CAA GTT TCG GAC AGT ACA AAG AAC GGT GAT GGT ACG  
D E D S I R K Q Q V S D S T K N G D G T  
841/281  
AAG CGC CCG TTT CGT CAG AAC ACA CAT GGT ATC CAG ATG ACA TCC ATC AAG AAA CGA AGA  
K R P F R Q N T H G I Q M T S I K K R R  
901/301  
TCC CCA GAT GAT GAA CTG TTA TAC TTA CCA GTG AGG GGC CGT GAG ACT TAT GAA ATG CTG  
S P D D E L L Y L P V R G R E T Y E M L  
961/321  
TTG AAG ATC AAA GAG TCC CTG GAA CTC ATG CAG TAC CTT CCT CAG CAC ACA ATT GAA ACG  
L K I K E S L E L M Q Y L P Q H T I E T  
1021/341  
TAC AGG CAA CAG CAA CAG CAG CAG CAG CAC CAG CAC TTA CTT CAG AAA CAT CTC CTT TCA GCC  
Y R Q Q Q Q Q Q H Q H L L Q K H L L S A  
1081/361  
TGC TTC AGG AAT GAG CTT GTG GAG CCC CGG AGA GAA ACT CCA AAA CAA TCT GAC GTC TTC  
C F R N E L V E P R R E T P K Q S D V F  
1141/381  
TTT AGA CAT TCC AAG CCC CCA AAC CGA TCA GTG TAC CCA TAG  
F R H S K P P N R S V Y P \*



Figure 15

1/1  
ATG AAT TTT GAA ACT TCA CGG TGT GCC ACC CTA CAG TAC TGC CCC GAC CCT TAC ATC CAG  
M N F E T S R C A T L Q Y C P D P Y I Q  
61/21  
CGT TTC ATA GAA ACC CCA GCT CAT TTC TCG TGG AAA GAA AGT TAT TAC AGA TCT GCC ATG  
R F I E T P A H F S W K E S Y Y R S A M  
121/41  
TCG CAG AGC ACC CAG ACA AGC GAG TTC CTC AGC CCA GAG GTC TTC CAG CAT ATC TGG GAT  
S Q S T Q T S B F L S P E V F Q H I W D  
181/61  
TTT CTG GAA CAG CCT ATA TGC TCA GTA CAG CCC ATC GAG TTG AAC TTT GTG GAT GAA CCT  
F L E Q P I C S V Q P I E L N F V D E P  
241/81  
TCC GAA AAT GGT GCA aCa aAc aAG ATT GAG ATT AGC ATG GAT TGT ATC cGC ATG Caa GAC  
S E N G A T N K I E I S M D C I R M Q D  
301/101  
TCA GAC CTC AGT GAC CCC ATG Tgg CCA CAG TAC ACG AAC CTG GGG CTC CTG AAC AGC ATG  
S D L S D P M W P Q Y T N L G L L N S M  
361/121  
GAC CAG CAG ATT CAG AAC GGC TCC TCG TCC ACC AGC CCC TAC AaC ACA GAC CAC GCA CAG  
D Q Q I Q N G S S S T S P Y N T D H A Q  
421/141  
AAT AGC GTG ACG GCG CCC TCG CCC TAT GCA CAG CCC AGC TCC ACC TTT GAT GCC CTC TCT  
N S V T A P S P Y A Q P S S T F D A L S  
481/161  
CCA TCC CCT GCC ATT CCC TCC AAC ACA GAT TAC CCG GGC CCA CAC AGC TTC GAT GTG TCC  
P S P A I P S N T D Y P G P H S F D V S  
541/181  
TTC CAG CAG TCA AGC ACT GCC AAG TCA GCC ACC TGG ACG TAT TCC ACC GAA CTG AAG AAG  
F Q Q S S T A K S A T W T Y S T E L K K  
601/201  
CTG TAC TGC CAG ATT GCG AAG ACA TGC CCC ATC CAG ATC AAG GTG ATG ACC CCA CCC CCA  
L Y C Q I A K T C P I Q I K V M T P P P  
661/221  
CAG GGC GCT GTe ATC CGT GCC ATG CCT GTC TAC AAG AAA GCT GAG CAT GTC ACC GAG GTT  
Q G A V I R A M P V Y K K A E H V T E V  
721/241  
GTG AAA CGA TGC CCT AAC CAT GAG CTG AGC COT GAG TTC AAT GAG GGA CAG ATT GCC CCT  
V K R C P N H E L S R E F N E G Q I A P  
781/261  
CCC AGT CAT CTG ATT CGA GTA gAA GGG AAC AGC CAT GCC CAG TAT GTA GAA GAT CCT ATC  
P S H L I R V E G N S H A Q Y V E D P I  
841/281  
ACG GGA AGG CAG AGC GTG CTG GTC CCT TAT GAG CCA CCA CaG GTT GGC ACT GAA TTC ACA  
T G R Q S V L V P Y E P P Q V G T E F T  
901/301  
ACA GTC CTG TAC aAT TTC ATG TGT AAC AGC AGC TGC GTC GGA GGA ATG AAC AGA CgT CCA  
T V L Y N F M C N S S C V G G M N R R P  
961/321  
ATT TTA ATC ATC GTT ACT CTG GAA ACC AGA GAT GGG CAA gTC CTG GGC CGA CGG TGC TTT  
I L I I V T L E T R D G Q V L G R R C F  
1021/341  
GAG GCC CGG ATC TGT Gct TGC CCA GGA AGA GAC CGG AAG GCA GAT GAA GAC AGC ATC AGA  
E A R I C A C P G R D R K A D E D S I R  
1081/361  
AAG CAG CAA GTA TCG GAC AGC GCA AAG AAC GGC GAT GGT ACG AAG CGC CCT TTC CGT CAG  
K Q Q V S D S A K N G D G T K R P F R Q  
1141/381  
AAT ACA CAC GGA ATC CAG ATG ACT TCC ATC AAG AAA CGG AGA TCC CCA GAT GAT GAG CTG  
N T H G I Q M T S I K K R R S P D D E L



Figure 15 Cont.

1201/401  
CTG TAC CTA CCA GTG AGA GGT CGT GAG ACG  
L Y L P V R G R E T Y E M L L K I K E S  
1261/421  
CTG GAG CTC ATG CAG TAC CTC CCT CAG CAC  
L E L M Q Y L P Q H T I E T Y R Q Q Q Q  
1321/441  
CAG CAG CAC CAG CAC CTA CTT CAG AAA CAG  
Q Q H Q H L L Q K Q T S M Q S Q S S Y G  
1381/461  
AAC AGT TCC CCA CCT CTG AAC AAA ATG AAC  
N S S P P L N K M N S M N K L P S V S Q  
1441/481  
CTT ATC AAC CCA CAG CAG CGC AAT GCC CTC  
L I N P Q Q R N A L T P T T M P E G M G  
1501/501  
GCC AAC ATT CCT ATG ATG GGC ACT CAC ATG  
A N I P M M G T H M P M A G D M N G L S  
1561/521  
CCT ACC CAA GCT CTC CCT CCT CCA CTC TCC  
P T Q A L P P P L S M P S T S H C T P P  
1621/541  
CCG CCC TAC CCC ACA GAC TGC AGC ATT GTC  
P P Y P T D C S I V S F L A R L G C S S  
1681/561  
TGC CTG GAC TAT TTC ACG ACC CAG ggg CTG  
C L D Y F T T Q G L T T I Y Q I E H Y S  
1741/581  
ATG GAT GAT TtG GcA aGT CTG AAG ATc cCT  
M D D L A S L K I P E Q F R H A I W K G  
1801/601  
aTC CTG GAc CAC AGG cAG cTG CAC GAC TTC  
I L D H R Q L H D F S S P P H L L R T P  
1861/621  
AGT GGT GCC TCT ACC GTC AGT GTG GGC TCC  
S G A S T V S V G S S E T R G E R V I D  
1921/641  
GCC GTG CGC TTT ACC CTC CGC CAG ACC ATC  
A V R F T L R Q T I S F P P R D E W N D  
1981/661  
TTC AAC TTT GAC ATG GAT TCT CGT CGC AAC  
F N F D M D S R R N K Q Q R I K E E G E  
2041/681  
TGA  
\*

1231/411  
TAC GAG ATG TTG CTG AAG ATC AAA GAG TCA  
Y E M L L K I K E S  
1291/431  
ACG ATC GAA ACG TAC AGG CAG CAG CAG CAG  
T I E T Y R Q Q Q Q  
1351/451  
ACC TCG ATG CAG TCT CAG TCT TCA TAT GGC  
T S M Q S Q S S Y G  
1411/471  
AGC ATG AAC AAG CTG CCT TCC GTG AGC CAG  
S M N K L P S V S Q  
1471/491  
ACT CCC ACC ACC ATG CCT GAG GGC ATG GGA  
T P T T M P E G M G  
1531/511  
CCA ATG GCT GGA GAC ATG AAT GGA CTC AGC  
P M A G D M N G L S  
1591/531  
ATG CCC TCC ACC TCC CAC TGC ACC CCA CCA  
M P S T S H C T P P  
1651/551  
AGT TTC TTA GCA Agg Ttg ggc TGC TCA TCA  
S F L A R L G C S S  
1711/571  
Acc ACC ATC TaT CAG ATT GAG CAT TAC TCC  
T T I Y Q I E H Y S  
1771/591  
GAA CAG TTC CGA CAT GCC ATC TGG AAg GGC  
E Q F R H A I W K G  
1831/611  
TCC TCA CCT CCT CaT CTC CTG AGG ACC CCA  
S S P P H L L R T P  
1891/631  
AGT GAG ACC CGT GGT GAA CGT GTG ATC GAT  
S E T R G E R V I D  
1951/651  
TCT TTT CCA CCC CGT GAc GAG TGG AAT GAT  
S F P P R D E W N D  
2011/671  
AAG CAG CAG CGT aTC AAA GAG GAA GGA GAA  
K Q Q R I K E E G E



Figure 16

1/1  
ATG AAT TTT GAA ACT TCA CGG TGT GCC ACC  
M N F E T S R C A T L Q Y C P D P Y I Q  
61/21  
CGT TTC ATA GAA ACC CCA GCT CAT TTC TCG  
R F I E T P A H F S W K E S Y Y R S A M  
121/41  
TCG CAG AGC ACC CAG ACA AGC GAG TTC CTC  
S Q S T Q T S E F L S P E V F Q H I W D  
181/61  
TTT CTG GAA CAG CCT ATA TGC TCA GTA CAG  
F L E Q P I C S V Q P I E L N F V D E P  
241/81  
TCC GAA AAT GOT GCA aCa aaC aaG ATT GAG  
S E N G A T N K I E I S M D C I R M Q D  
301/101  
TCA GAC CTC AGT GAC CCC ATG Tgg CCA CAG  
S D L S D P M W P Q Y T N L G L L N S M  
361/121  
GAC CAG CAG ATT CAG AAC GGC TCC TCG TCC  
D Q Q I Q N G S S S T S P Y N T D H A Q  
421/141  
AAT AGC GTG ACG GCG CCC TCG CCC TAT GCA  
N S V T A P S P Y A Q P S S T F D A L S  
481/161  
CCA TCC CCT GCC ATT CCC TCC AAC ACA GAT  
P S P A I P S N T D Y P G P H S F D V S  
541/181  
TTC CAG CAG TCA AGC ACT GCC AAG TCA GCC  
F Q Q S S T A K S A T W T Y S T E L K K  
601/201  
CTG TAC TGC CAG ATT GCG AAG ACA TGC CCC  
L Y C Q I A K T C P I Q I K V M T P P P  
661/221  
CAG GGC GCT GTt ATC CGT GCC ATG CCT GTC  
Q G A V I R A M P V Y K K A E H V T E V  
721/241  
GTG AAA CGA TGC CCT AAC CAT GAG CTG AGC  
V K R C P N H E L S R E F N E G Q I A P  
781/261  
CCC AGT CAT CTG ATT CGA GTA gAA GGG AAC  
P S H L I R V E G N S H A Q Y V E D P I  
841/281  
ACG GGA AGG CAG AGC GTG CTG GTC CCT TAT  
T G R Q S V L V P Y E P P Q V G T E F T  
901/301  
ACA GTC CTG TAC aAT TTC ATG TGT AAC AGC  
T V L Y N F M C N S S C V G G M N R R P  
961/321  
ATT TTA ATC ATC GTT ACT CTG GAA ACC AGA  
I L I I V T L E T R D G Q V L G R R C F  
1021/341  
GAG GCC CGG ATC TGT Gct TGC CCA GGA AGA  
E A R I C A C P G R D R K A D E D S I R  
1081/361  
AAG CAG CAA GTA TCG GAC AGC GCA AAG AAC  
K Q Q V S D S A K N G D G T K R P F R Q  
1141/381  
AAT ACA CAC GGA ATC CAG ATG ACT TCC ATC  
N T H G I Q M T S I K K R R S P D D E L  
31/11  
CTA CAG TAC TGC CCC GAC CCT TAC ATC CAG  
L Q Y C P D P Y I Q  
91/31  
TGG AAA GAA AGT TAT TAC AGA TCT GCC ATG  
W K E S Y Y R S A M  
151/51  
AGC CCA GAG GTC TTC CAG CAT ATC TGG GAT  
S P E V F Q H I W D  
211/71  
ccc ATC GAG TTG AAC TTT GTG GAT GAA CCT  
P I E L N F V D E P  
271/91  
ATT AGC ATG GAT TGT ATc cGC ATG Caa GAC  
I S M D C I R M Q D  
331/111  
TAC ACG AAC CTG GGG CTC CTG AAC AGC ATG  
Y T N L G L L N S M  
391/131  
ACC AGC CCC TAC AaC ACA GAC CAC GCA CAG  
T S P Y N T D H A Q  
451/151  
CAG CCC AGC TCC ACC TTT GAT GCC CTC TCT  
Q P S S T F D A L S  
511/171  
TAC CCG GGC CCA CAC AGC TTC GAT GTG TCC  
Y P G P H S F D V S  
571/191  
ACC TGG ACG TAT TCC ACC GAA CTG AAG AAG  
T W T Y S T E L K K  
631/211  
ATC CAG ATC AAG GTG ATG ACC CCA CCC CCA  
I Q I K V M T P P P  
691/231  
TAC AAG AAA GCT GAG CAT GTC ACC GAG GTT  
Y K K A E H V T E V  
751/251  
CGT GAG TTC AAT GAG GGA CAG ATt GCC CCT  
R E F N E G Q I A P  
811/271  
AGC CAT GCC CAG TAT GTA GAA GAT CCT ATC  
S H A Q Y V E D P I  
871/291  
GAG CCA CCA CaG GTT GGC ACT GAA TTC ACA  
E P P Q V G T E F T  
931/311  
AGC TGC GTC GGA GGA ATG AAC AGA Cgt CCA  
S C V G G M N R R P  
991/331  
GAT GGG CAA gTC CTG GGC CGA CGG TGC TTT  
D G Q V L G R R C F  
1051/351  
GAC CGG AAG GCA GAT GAA GAC AGC ATC AGA  
D R K A D E D S I R  
1111/371  
GGC GAT GGT ACG AAG CGC CCT TTC Cgt CAG  
G D G T K R P F R Q  
1171/391  
AAG AAA CGG AGA TCC CCA GAT GAT GAG CTG  
AAG AAA CGG AGA TCC CCA GAT GAT GAG CTG  
K K R R S P D D E L



Figure 16 Cont.

1201/401	1231/411
CTG TAC CTA CCA GTG AGA GGT CGT GAG ACG	TAC GAG ATG TTG CTG AAG ATC AAA GAG TCA
L Y L P V R G R E T	Y E M L L K I K E S
1261/421	1291/431
CTG GAG CTC ATG CAG TAC CTC CCT CAG CAC	ACG ATC GAA ACG TAC AGG CAG CAG CAG CAG
L E L M Q Y L P Q H	T I E T Y R Q Q Q Q
1321/441	1351/451
CAG CAG CAC CAG CAC CTA CTT CAG AAA CAG	AOC TCG ATG CAG TCT CAG TCT TCA TAT GGC
Q Q H Q H L L Q K Q	T S M Q S Q S S Y G
1381/461	1411/471
AAC AGT TCC CCA CCT CTG AAC AAA ATG AAC	AGC ATG AAC AAG CTG CCT TCC GTG AGC CAG
N S S P P L N K M N	S M N K L P S V S Q
1441/481	1471/491
CTT ATC AAC CCA CAG CAG CGC AAT GCC CTC	ACT CCC ACC ACC ATG CCT GAG GGC ATG GGA
L I N P Q Q R N A L	T P T T M P E G M G
1501/501	1531/511
GCC AAC ATT CCT ATG ATG GGC ACT CAC ATG	CCA ATG GCT GGA GAC ATG AAT GGA CTC AGC
A N I P M M G T H M	P M A G D M N G L S
1561/521	1591/531
CCT ACC CAA GCT CTC CCT CCT CCA CTC TCC	ATG CCC TCC ACC TCC CAC TGC ACC CCA CCA
P T Q A L P P P L S	M P S T S H C T P P
1621/541	1651/551
CCG CCC TAC CCC ACA GAC TGC AGC ATT GTC	AGG ATT TGG Caa GTC TGA
P P Y P T D C S I V	R I W Q V *



Figure 17

1/1  
ATG AAT TTT GAA ACT TCA CGG TGT GCC ACC CTA CAG TAC TGC CCC GAC CCT TAC ATC CAG  
M N F E T S R C A T L Q Y C P D P Y I Q  
61/21  
CGT TTC ATA GAA ACC CCA GCT CAT TTC TCG TGG AAA GAA AGT TAT TAC AGA TCT GCC ATG  
R F I E T P A H F S W K E S Y Y R S A M  
121/41  
TCG CAG AGC ACC CAG ACA AGC GAG TTC CTC AGC CCA GAG GTC TTC CAG CAT ATC TGG GAT  
S Q S T Q T S E F L S P E V F Q H I W D  
181/61  
TTT CTG GAA CAG CCT ATA TGC TCA GTA CAG CCC ATC GAG TTG AAC TTT GTG GAT GAA CCT  
F L E Q P I C S V Q P I E L N F V D E P  
241/81  
TCC GAA AAT GGT GCA aCa aaC aaG ATT GAG ATT AGC ATG GAT TGT ATC cGC ATG Caa Gac  
S E N G A T N K I E I S M D C I R M Q D  
301/101  
TCA GAc CTC AGT GAc ccc ATG Tgg CCA CAG TAC ACG aAC cTg ggg CTC cTG aAC AGC ATg  
S D L S D P M W P Q Y T N L G L L N S M  
361/121  
GAc cAG CAG ATT CAG AAC GGc Tcc TcG TCC ACC AGC CCc TAc aaC ACA GAC CAC GCA CAG  
D Q Q I Q N G S S S T S P Y N T D H A Q  
421/141  
AAT AGC GTG ACG GCG CCc TCG CCc TAT GCA CAG CCC AGC TCC ACC TTt GAT GCC cTC TCT  
N S V T A P S P Y A Q P S S T F D A L S  
481/161  
CCA Tcc cct GCC ATT CCc TCC aAC ACA GAT TAC CCG GGC CCA CAC AGc TTC GAT GTG TCC  
P S P A I P S N T D Y P G P H S F D V S  
541/181  
TTC CAG CAG TCA AGC AcT GCC AAG TCA GCC Acc TGG ACG TAT TCC ACC GAA CTG AAG AAG  
F Q Q S S T A K S A T W T Y S T E L K K  
601/201  
CTG TAC TGC CAG ATT GCG AAG ACA TGC CCC ATC CAG ATC AAG GTG ATG ACC CCA CCC CCA  
L Y C Q I A K T C P I Q I K V M T P P P  
661/221  
CAG GGC CCT GTT ATC CGT GCC ATG CCT GTC TAC AAG AAA GCT GAG CAT GTC ACC GAG GTT  
Q G A V I R A M P V Y K K A E H V T E V  
721/241  
GTG AAA CGA TGC CCT AAC CAT GAG CTG AGC CGT GAG TTC AAT GAG GGA CAG ATT GCC CCT  
V K R C P N H E L S R E F N E G Q I A P  
781/261  
CCC AGT CAT CTG ATT CGA GTA GAA GGG AAC AGC CAT GCC CAG TAT GTA GAA GAT CCT ATC  
P S H L I R V E G N S H A Q Y V E D P I  
841/281  
ACG GGA AGG CAG AGC GTG CTG GTC CCT TAT GAG CCA CCA CAG GTT GGC ACT GAA TTC ACA  
T G R Q S V L V P Y E P P Q V G T E F T  
901/301  
ACA GTC CTG TAC AAT TTC ATG TGT AAC AGC AGC TGC GTC GGA GGA ATG AAC AGA CGT CCA  
T V L Y N F M C N S S C V G G M N R R P  
961/321  
ATT TTA ATC ATC GTT ACT CTG GAA ACC AGA GAT GGG CAA GTC CTG GGC CGA CGG TGC TTT  
I L I I V T L E T R D G Q V L G R R C F  
1021/341  
GAG GCC CCG ATC TGT GCT TGC CCA GGA AGA GAC CGG AAG GCA GAT GAA GAC AGC ATC AGA  
E A R I C A C P G R D R K A D E D S I R  
1081/361  
AAG CAG CAA GTA TCG GAC AGC GCA AAG AAC GGC GAT GCT TTC CGT CAG AAT ACA CAC GGA  
K Q Q V S D S A K N G D A F R Q N T H G  
1141/381  
ATC CAG ATG ACT TCC ATC AAG AAA CGG AGA TCC CCA GAT GAT GAG CTG CTG TAC CTA CCA  
I Q M T S I K K R R S P D D E L L Y L P



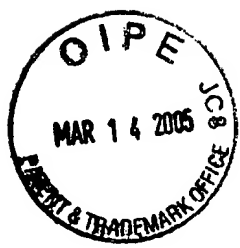


Figure 17 Cont.

1201/401	1231/411
OTG AGA GGT CGT GAG ACG TAC GAG ATG TTG	CTG AAG ATC AAA GAG TCA CTG GAG CTC ATG
V R G R E T Y E M L	L K I K E S L E L M
1261/421	1291/431
CAG TAC CTC CCT CAG CAC ACG ATC GAA ACG	TAC AGG CAG CAG CAG CAG CAG CAG CAG CAG
Q Y L P Q H T I E T	Y R Q Q Q Q Q Q H Q
1321/441	1351/451
CAC CTA CTT CAG AAA CAT CTC CTT TCA GCC	TGC TTC AGG AAT GAG CTT GTG GAG CCC CGG
H L L Q K H L L S A	C F R N E L V E P R
1381/461	1411/471
GGA GAA GCT CCG ACA CAG TCT GAC GTC TTC	TTT AGA CAT TCC AAC CCC CCA AAC CAC TCC
G E A P T Q S D V F F	R H S N P P N H S
1441/481	
GTG TAC CCA TAG	
V Y P *	



Figure 18

1/1  
ATG TTG TAC CTG gAA AAC AAT GCC CAG ACT CAA TTT AGT GAG CCA CAG TAC ACG AAC CTG  
M L Y L E N N A Q T Q F S E P Q Y T N L  
61/21  
GGG CTC CTG AAC AGC ATG GAC CAG CAG ATT CAG AAC GGC TCC TCG TCC ACC AGC CCC TAC  
G L L N S M D Q Q I Q N G S S S T S P Y  
121/41  
A2C ACA GAC CAC GCA CAG AAT AGC GTG ACG GCG CCC TCG CCC TAT GCA CAG CCC AGC TCC  
N T D H A Q N S V T A P S P Y A Q P S S  
181/61  
ACC TTT GAT GCC CTC TCT CCA TCC CCT GCC ATT CCC TCC AAC ACA GAT TAC CCG GGC CCA  
T F D A L S P S P A I P S N T D Y P G P  
241/81  
CAC AGC TTC GAT GTG TCC TTC CAG CAG TCA AGC ACT GCC AAG TCA GCC ACC TGG ACG TAT  
H S F D V S F Q Q S S T A K S A T W T Y  
301/101  
TCC ACC GAA CTG AAG AAG CTG TAC TGC CAG ATT GCG AAG ACA TGC CCC ATC CAG ATC AAG  
S T E L K K L Y C Q I A K T C P I Q I K  
361/121  
GTG ATG ACC CCA CCC CCA CAG GGC GCT GTT ATC CGT GCC ATG CCT GTC TAC AAG AAA GCT  
V M T P P P Q G A V I R A M P V Y K K A  
421/141  
GAG CAT GTC ACC GAG GTT GTG AAA CGA TGC CCT AAC CAT GAG CTG AGC CGT GAG TTC AAT  
E H V T E V V K R C P N H E L S R E F N  
481/161  
GAG GGA CAG ATT GCC CCT CCC AGT CAT CTG ATT CGA GTA gAA GGG AAC AGC CAT GCC CAG  
E G Q I A P P S H L I R V E G N S H A Q  
541/181  
TAT GTA GAA GAT CCT ATC ACG GGA AGG CAG AGC GTG CTG GTC CCT TAT GAG CCA CCA CaG  
Y V E D P I T G R Q S V L V P Y E P P Q  
601/201  
GTT GGC ACT GAA TTC ACA ACA GTC CTG TAC aAT TTC ATG TGT AAC AGC AGC TGC GTC GGA  
V G T E F T T V L Y N F M C N S S C V G  
661/221  
GGA ATG AAC AGA CgT CCA ATT TTA ATC ATC GTT ACT CTG GAA ACC AGA GAT GGG CAA gTC  
G M N R R P I L I I V T L E T R D G Q V  
721/241  
CTG GGC CGA CGG TGC TTT GAG GCC CGG ATC TGT GCT TGC CCA GGA AGA GAC CGG AAG GCA  
L G R R C F E A R I C A C P G R D R K A  
781/261  
GAT GAA GAC AGC ATC AGA AAG CAG CAA GTA TCG GAC AGC GCA AAG AAC GGC GAT GGT ACG  
D E D S I R K Q Q V S D S A K N G D G T  
841/281  
AAG CGC CCT TTC CGT CAG AAT ACA CAC GGA ATC CAG ATG ACT TCC ATC AAG AAA CGG AGA  
K R P F R Q N T H G I Q M T S I K K R R  
901/301  
TCC CCA GAT GAT GAG CTG CTG TAC CTA CCA GTG AGA GGT CGT GAG ACG TAC GAG ATG TTG  
S P D D E L L Y L P V R G R E T Y E M L  
961/321  
CTG AAG ATC AAA GAG TCA CTG GAG CTC ATG CAG TAC CTC CCT CAG CAC ACG ATC GAA ACG  
L K I K E S L E L M Q Y L P Q H T I E T  
1021/341  
TAC AGG CAG CAG CAG CAG CAG CAG CAC CAG CAC CTA CTT CAG AAA CAG ACC TCG ATG CAG  
Y R Q Q Q Q Q Q H Q H L L Q K Q T S M Q  
1081/361  
TCT CAG TCT TCA TAT GGC AAC AGT TCC CCA CCT CTG AAC AAA ATG AAC AGC ATG AAC AAG  
S Q S S Y G N S S P P L N K M N S M N K  
1141/381  
CTG CCT TCC GTG AGC CAG CTT ATC AAC CCA CAG CAG CGC AAT GCC CTC ACT CCC ACC ACC  
L P S V S Q L I N P Q Q R N A L T P T T  
31/11  
91/31  
151/51  
211/71  
271/91  
331/111  
391/131  
451/151  
511/171  
571/191  
631/211  
691/231  
751/251  
811/271  
871/291  
931/311  
991/331  
1051/351  
1111/371  
1171/391



Figure 18 Cont.

1201/401  
ATG CCT GAG GGC ATG GGA GCC AAC ATT CCT ATG ATG GGC ACT CAC ATG CCA ATG GCT GGA  
M P E G M G A N I P M M G T H M P M A G

1261/421  
GAC ATG AAT GGA CTC AGC CCT ACC CAA GCT CTC CCT CCT CCA CTC TCC ATG CCC TCC ACC  
D M N G L S P T Q A L P P P L S M P S T

1321/441  
TCC CAC TGC ACC CCA CCA CCG CCC TAC CCC ACA GAC TGC AGC ATT GTC AGT TTC TTA GCA  
S H C T P P P P Y P T D C S I V S F L A

1381/461  
Agg Tcg ggc TGC TCA TCA TGC CTG GAC TAT TTC ACG ACC CAg ggg CTG Acc ACC ATC TaT  
R L G C S S C L D Y F T T Q G L T T I Y

1441/481  
CAG ATT GAG CAT TAC TCC ATG GAT GAT TtG GCa aGT CTG AAG ATc ccT GAA CAG TTC CGA  
Q I E H Y S M D D L A S L K I P E Q F R

1501/501  
CAT GCC ATC TGG AAg GGC aTC CTG GAc CAC AGG cAG CTG CAC GAC TTC TCC TCA CCT CCT  
H A I W K G I L D H R Q L H D F S S P P

1561/521  
CaT CTC CTG AGG ACC CCA AGT GGT GCC TCT ACC GTC AGT GTG GGC TCC AGT GAG ACC CGT  
H L L R T P S G A S T V S V G S S E T R

1621/541  
GGT GAA CGT OTG ATC GAT GCC GTG CGC TTT ACC CTC CGC CAG ACC ATC TCT TTT CCA CCC  
G E R V I D A V R F T L R Q T I S F P P

1681/561  
CGT GAC GAG TGG AAT GAT TTC AAC TTT GAC ATG GAT TCT CGT CGC AAC AAG CAG CAG CGT  
R D E W N D F N F D M D S R R N K Q Q R

1741/581  
aTC AAA GAG GAA GGA GAA TGA  
I K E E G E \*

1231/411  
ATG ATG GGC ACT CAC ATG CCA ATG GCT GGA  
M M G T H M P M A G

1291/431  
CTC CCT CCT CCA CTC TCC ATG CCC TCC ACC  
L P P P L S M P S T

1351/451  
ACA GAC TGC AGC ATT GTC AGT TTC TTA GCA  
T D C S I V S F L A

1411/471  
TTC ACG ACC CAg ggg CTG Acc ACC ATC TaT  
T T Q G L T T I Y

1471/491  
GCa aGT CTG AAG ATc ccT GAA CAG TTC CGA  
A S L K I P E Q F R

1531/511  
AGG cAG CTG CAC GAC TTC TCC TCA CCT CCT  
R Q L H D F S S P P

1591/531  
ACC GTC AGT GTG GGC TCC AGT GAG ACC CGT  
T V S V G S S E T R

1651/551  
ACC CTC CGC CAG ACC ATC TCT TTT CCA CCC  
T L R Q T I S F P P

1711/571  
ATG GAT TCT CGT CGC AAC AAG CAG CAG CGT  
M D S R R N K Q Q R



Figure 19

1/1  
ATG TTG TAC CTG gAA AAC AAT GCC CAG ACT CAA TTT AGT GAG CCA CAG TAC ACG AAC CTG  
M L Y L E N N A Q T Q F S E P Q Y T N L  
61/21  
GGG CTC CTG AAC AGC ATG GAC CAG CAG ATT CAG AAC GGC TCC TCG TCC ACC AGC CCC TAC  
G L L N S M D Q Q I Q N G S S S T S P Y  
121/41  
AaC ACA GAC CAC GCA CAG AAT AGC GTG ACG GCG CCC TCG CCC TAT GCA CAG CCC AGC TCC  
N T D H A Q N S V T A P S P Y A Q P S S  
181/61  
ACC TTT GAT GCC CTC TCT CCA TCC CCT GCC ATT CCC TCC AAC ACA GAT TAC CCG GGC CCA  
T F D A L S P S P A I P S N T D Y P G P  
241/81  
CAC AGC TTC GAT GTG TCC TTC CAG CAG TCA AGC ACT GCC AAG TCA GCC ACC TGG ACG TAT  
H S F D V S F Q Q S S T A K S A T W T Y  
301/101  
TCC ACC GAA CTG AAG AAG CTG TAC TGC CAG ATT GCG AAG ACA TGC CCC ATC CAG ATC AAG  
S T E L K K L Y C Q I A K T C P I Q I K  
361/121  
GTG ATG ACC CCA CCC CCA CAG GGC GCT GTT ATT CGT GCC ATG CCT GTC TAC AAG AAA GCT  
V M T P P P Q G A V I R A M P V Y K K A  
421/141  
GAG CAT GTC ACC GAG GTT GTG AAA CGA TGC CCT AAC CAT GAG CTG AGC CGT GAG TTC AAT  
E H V T E V V K R C P N H E L S R E F N  
481/161  
GAG GGA CAG ATT GCC CCT CCC AGT CAT CTG ATT CGA GTA gAA GGG AAC AGC CAT GCC CAG  
E G Q I A P P S H L I R V E G N S H A Q  
541/181  
TAT GTA GAA GAT CCT ATC ACG GGA AGG CAG AGC GTG CTG GTC CCT TAT GAG CCA CCA CaG  
Y V E D P I T G R Q S V L V P Y E P P Q  
601/201  
GTT GGC ACT GAA TTC ACA ACA GTC CTG TAC aAT TTC ATG TGT AAC AGC AGC TCC GTC GGA  
V G T E F T T V L Y N F M C N S S C V G  
661/221  
GGA ATG AAC AGA CgT CCA ATT TTA ATC ATC GTT ACT CTG GAA ACC AGA GAT GGG CAA gTC  
G M N R R P I L I I V T L E T R D G Q V  
721/241  
CTG GGC CGA CGG TGC TTT GAG GCC CGG ATC TGT GCT TGC CCA GGA AGA GAC CGG AAG GCA  
L G R R C F E A R I C A C P G R D R K A  
781/261  
GAT GAA GAC AGC ATC AGA AAG CAG CAA GTA TCG GAC AGC GCA AAG AAC GGC GAT GGT ACG  
D E D S I R K Q Q V S D S A K N G D G T  
841/281  
AAG CGC CCT TTC CGT CAG AAT ACA CAC GGA ATC CAG ATG ACT TCC ATC AAG AAA CGG AGA  
K R P F R Q N T H G I Q M T S I K K R R  
901/301  
TCC CCA GAT GAT GAG CTG CTG TAC CTA CCA GTG AGA GGT CGT GAG ACG TAC GAG ATG TTG  
S P D D E L L Y L P V R G R E T Y E M L  
961/321  
CTG AAG ATC AAA GAG TCA CTG GAG CTC ATG CAG TAC CTC CCT CAG CAC ACG ATC GAA ACG  
L K I K E S L E L M Q Y L P Q H T I E T  
1021/341  
TAC AGG CAG CAG CAG CAG CAG CAG CAC CAG CAC CTA CTT CAG AAA CAG ACC TCG ATG CAG  
Y R Q Q Q Q Q Q H Q H L L Q K Q T S M Q  
1081/361  
TCT CAG TCT TCA TAT GGC AAC AGT TCC CCA CCT CTG AAC AAA ATG AAC AGC ATG AAC AAG  
S Q S S Y G N S S P P L N K M N S M N K  
1141/381  
CTG CCT TCC GTG AGC CAG CTT ATC AAC CCA CAG CAG CGC AAT GCC CTC ACT CCC ACC ACC  
L P S V S Q L I N P Q Q R N A L T P T T



Figure 19 Cont.

1201/401  
ATG CCT GAG GGC ATG GGA GCC AAC ATT CCT ATG ATG GGC ACT CAC ATG CCA ATG GCT GGA  
M P E G M G A N I P M M G T H M P M A G  
1261/421  
GAC ATG AAT GGA CTC AGC CCT ACC CAA GCT CTC CCT CCT CCA CTC TCC ATG CCC TCC ACC  
D M N G L S P T Q A L P P P L S M P S T  
1321/441  
TCC CAC TGC ACC CCA CCA CCG CCC TAC CCC ACA GAC TGC AGC ATT GTC AGG ATT tGG Caa  
S H C T P P P P Y P T D C S I V R I W Q  
1381/461  
GTC TGA  
V \*



Figure 20

1/1  
ATG TTG TAC CTG GAA AAC AAT GCC CAG ACT CAA TTT AGT GAG CCA CAG TAC ACG AAC CTG  
M L Y L E N N A Q T Q F S E P Q Y T N L  
61/21  
GGG CTC CTG AAC AGC ATG GAC CAG CAG ATT CAG AAC GGC TCC TCG TCC ACC AGC CCC TAC  
G L L N S M D Q Q I Q N G S S S T S P Y  
121/41  
AAC ACA GAC CAC GCA CAG AAT AGC GTG ACG GCG CCC TCG CCC TAT GCA CAG CCC AGC TCC  
N T D H A Q N S V T A P S P Y A Q P S S  
181/61  
ACC TTT GAT GCC CTC TCT CCA TCC CCT GCC ATT CCC TCC AAC ACA GAT TAC CCG GGC CCA  
T F D A L S P S P A I P S N T D Y P G P  
241/81  
CAC AGC TTC GAT GTG TCC TTC CAG CAG TCA AGC ACT GCC AAG TCA GCC ACC TGG ACG TAT  
H S F D V S F Q Q S S T A K S A T W T Y  
301/101  
TCC ACC GAA CTG AAG AAG CTG TAC TGC CAG ATT GCG AAG ACA TGC CCC ATC CAG ATC AAG  
S T E L K K L Y C Q I A K T C P I Q I K  
361/121  
GTG ATG ACC CCA CCC CCA CAG GGC GCT GTT ATC CGT GCC ATG CCT GTC TAC AAG AAA GCT  
V M T P P P Q G A V I R A M P V Y K K A  
421/141  
GAG CAT GTC ACC GAG GTT GTG AAA CGA TGC CCT AAC CAT GAG CTG ACC CGT GAG TTC AAT  
E H V T E V V K R C P N H E L S R E F N  
481/161  
GAG GGA CAG ATT GCC CCT CCC AGT CAT CTG ATT CGA GTA GAA GGG AAC AGC CAT GCC CAG  
E G Q I A P P S H L I R V E G N S H A Q  
541/181  
TAT GTA GAA GAT CCT ATC ACG GGA AGG CAG AGC GTG CTG GTC CCT CAT GAG CCA CCA CAG  
Y V E D P I T G R Q S V L V P Y E P P Q  
601/201  
GTT GGC ACT GAA TTC ACA ACA GTC CTG TAC AAT TTC ATG TGT AAC AGC AGC TGC GTC GGA  
V G T E F T T V L Y N F M C N S S C V G  
661/221  
GGA ATG AAC AGA CGT CCA ATT TTA ATC ATC GTT ACT CTG GAA ACC AGA GAT GGG CAA GTC  
G M N R R P I L I I V T L E T R D G Q V  
721/241  
CTG GGC CGA CGG TGC TTT GAG GCC CGG ATC TGT GCT TGC CCA GGA AGA GAC CGG AAG GCA  
L G R R C F E A R I C A C P G R D R K A  
781/261  
GAT GAA GAC AGC ATC AGA AAG CAG CAA GTA TCG GAC AGC GCA AAG AAC GGC GAT GCT TTC  
D E D S I R K Q Q V S D S A K N G D A F  
841/281  
CGT CAG AAT ACA CAC GGA ATC CAG ATG ACT TCC ATC AAG AAA CGG AGA TCC CCA GAT GAT  
R Q N T H G I Q M T S I K K R R S P D D  
901/301  
GAG CTG CTG TAC CTA CCA GTG AGA GGT CGT GAG ACG TAC GAG ATG TTG CTG AAG ATC AAA  
E L L Y L P V R G R E T Y E M L L K I K  
961/321  
GAG TCA CTG GAG CTC ATG CAG TAC CTC CCT CAG CAC ACG ATC GAA ACG TAC AGG CAG CAG  
E S L E L M Q Y L P Q H T I E T Y R Q Q  
1021/341  
CAG CAG CAG CAG CAC CAG CAC CTA CTT CAG AAA CAT CTC CTT TCA GCC TGC TTC AGG AAT  
Q Q Q Q H Q H L L Q K H L L S A C F R N  
1081/361  
GAG CTT GTG GAG CCC CGG GGA GAA GCT CCG ACA CAG TCT GAC GTC TTC TTT AGA CAT TCC  
E L V E P R G E A P T Q S D V F F R H S  
1141/381  
AAC CCC CCA AAC CAC TCC GTG TAC CCA TAG  
N P P N H S V Y P \*



Figure 21

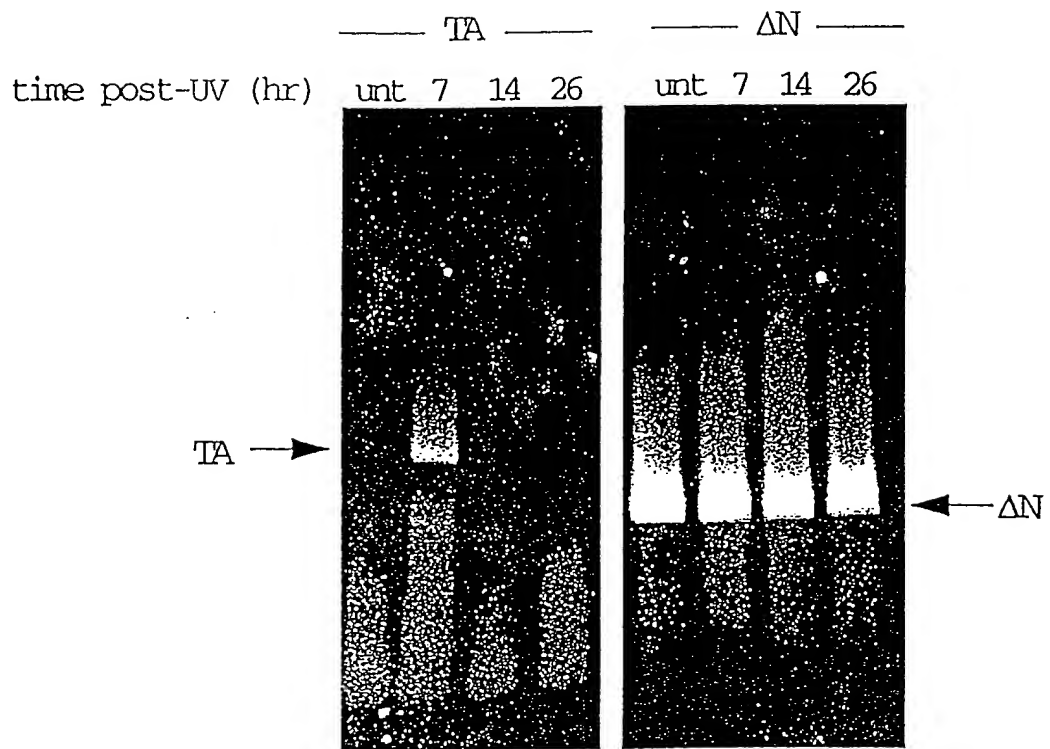


Figure 22

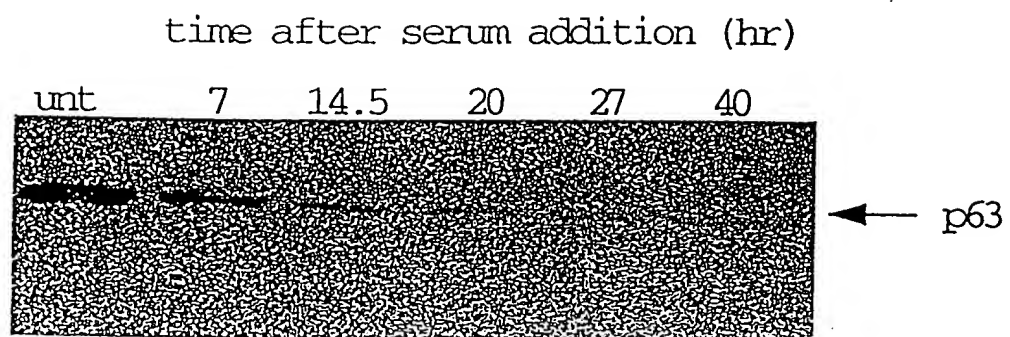






Figure 23

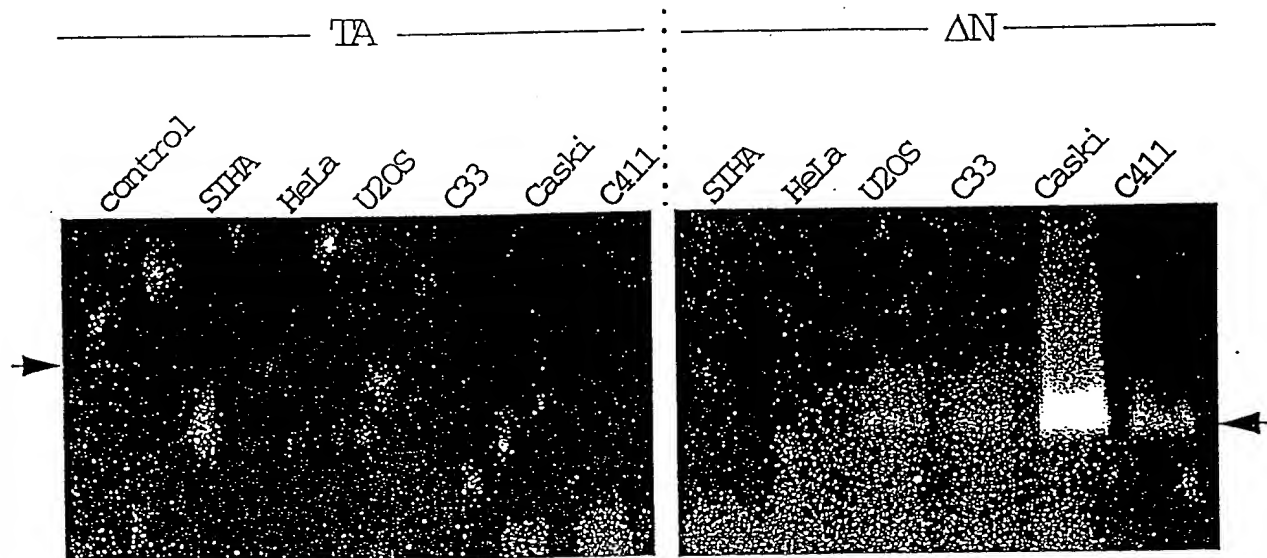




Figure 24

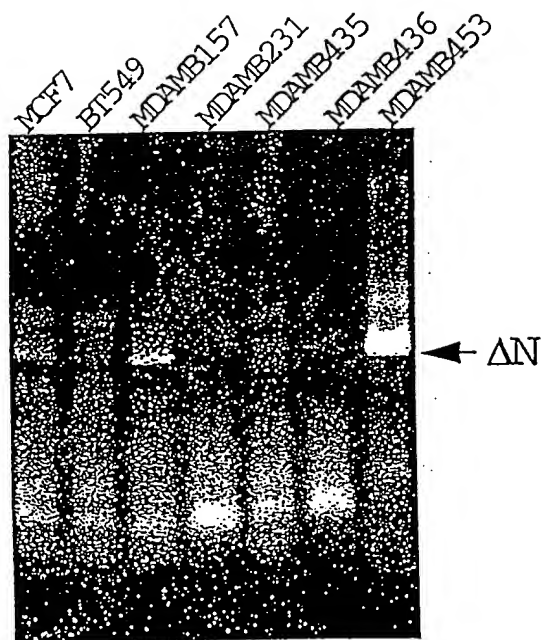
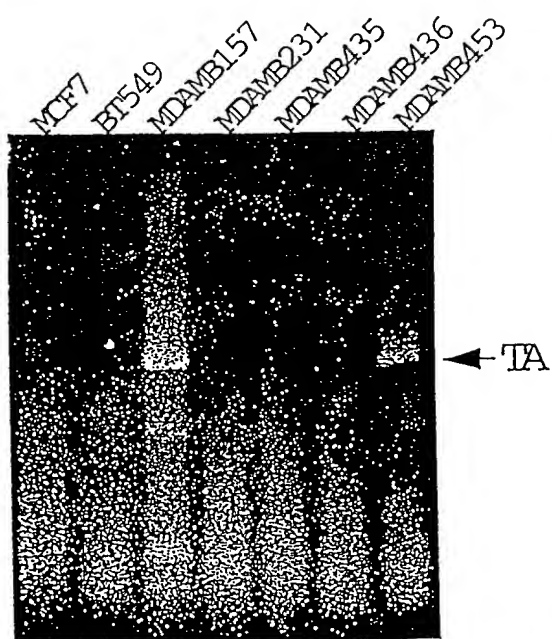
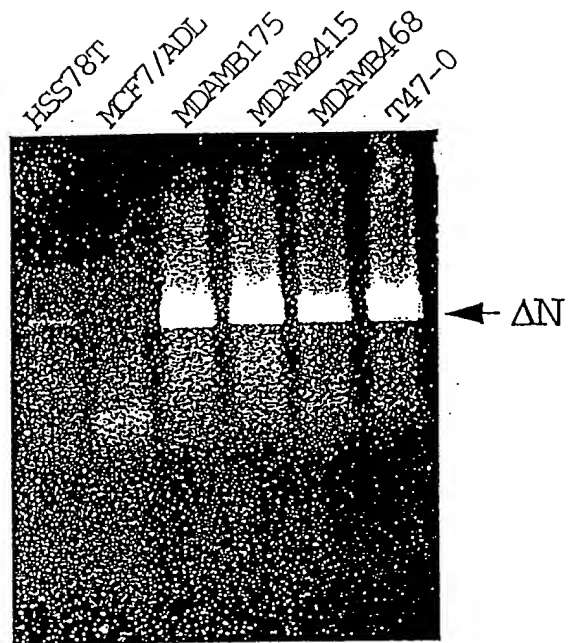
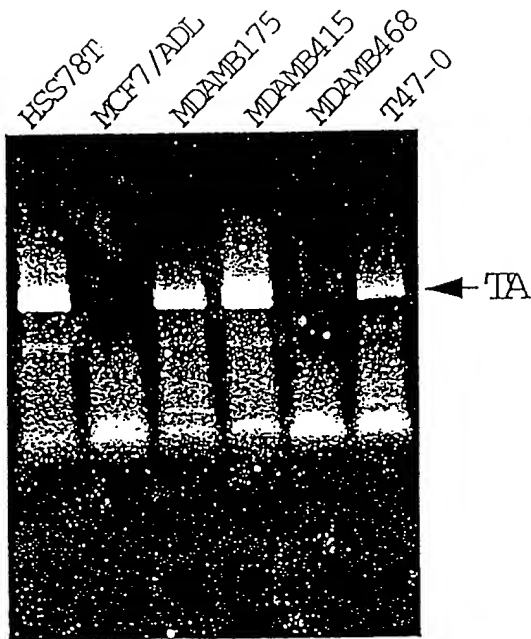
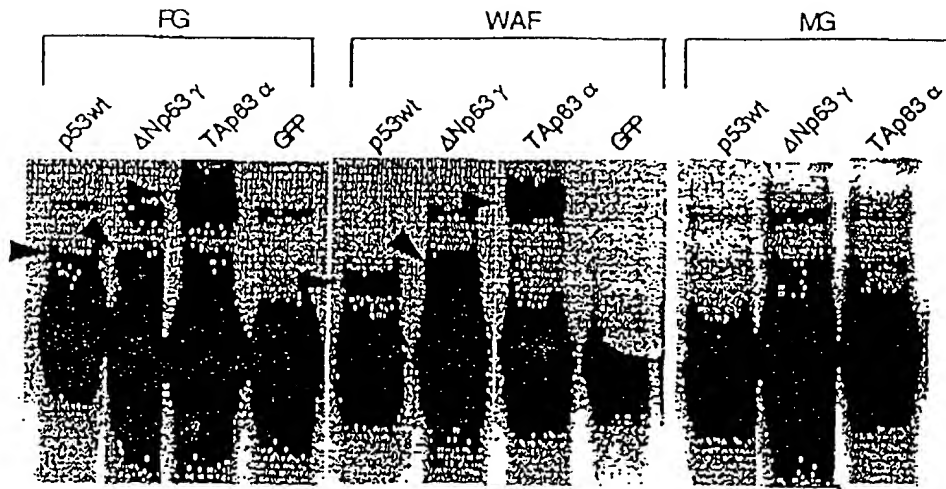


Figure 25





Relative Efficiency Plot TA and Delta

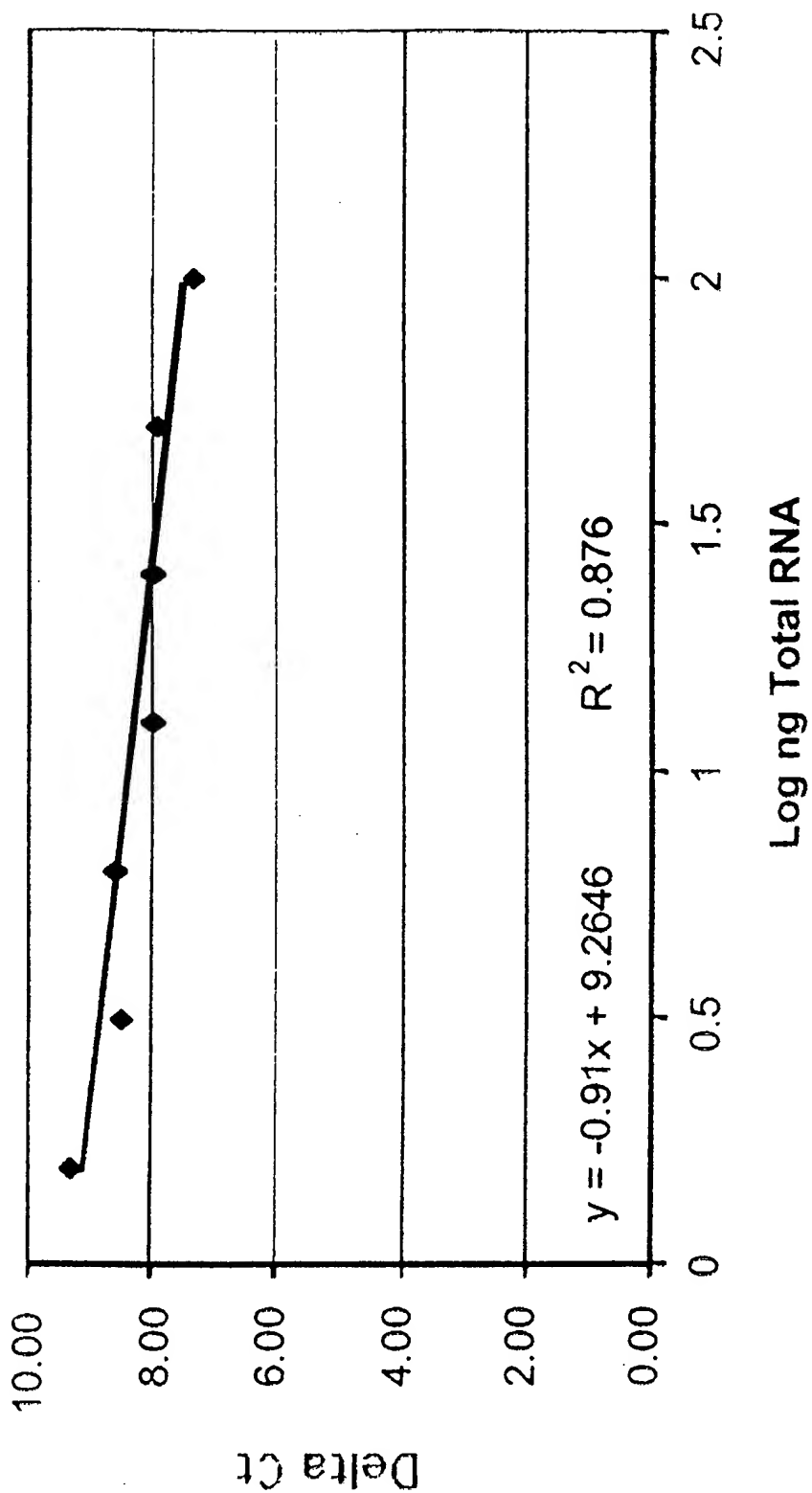


Figure 26



A. TAp63 amplification plot for PrEC cells

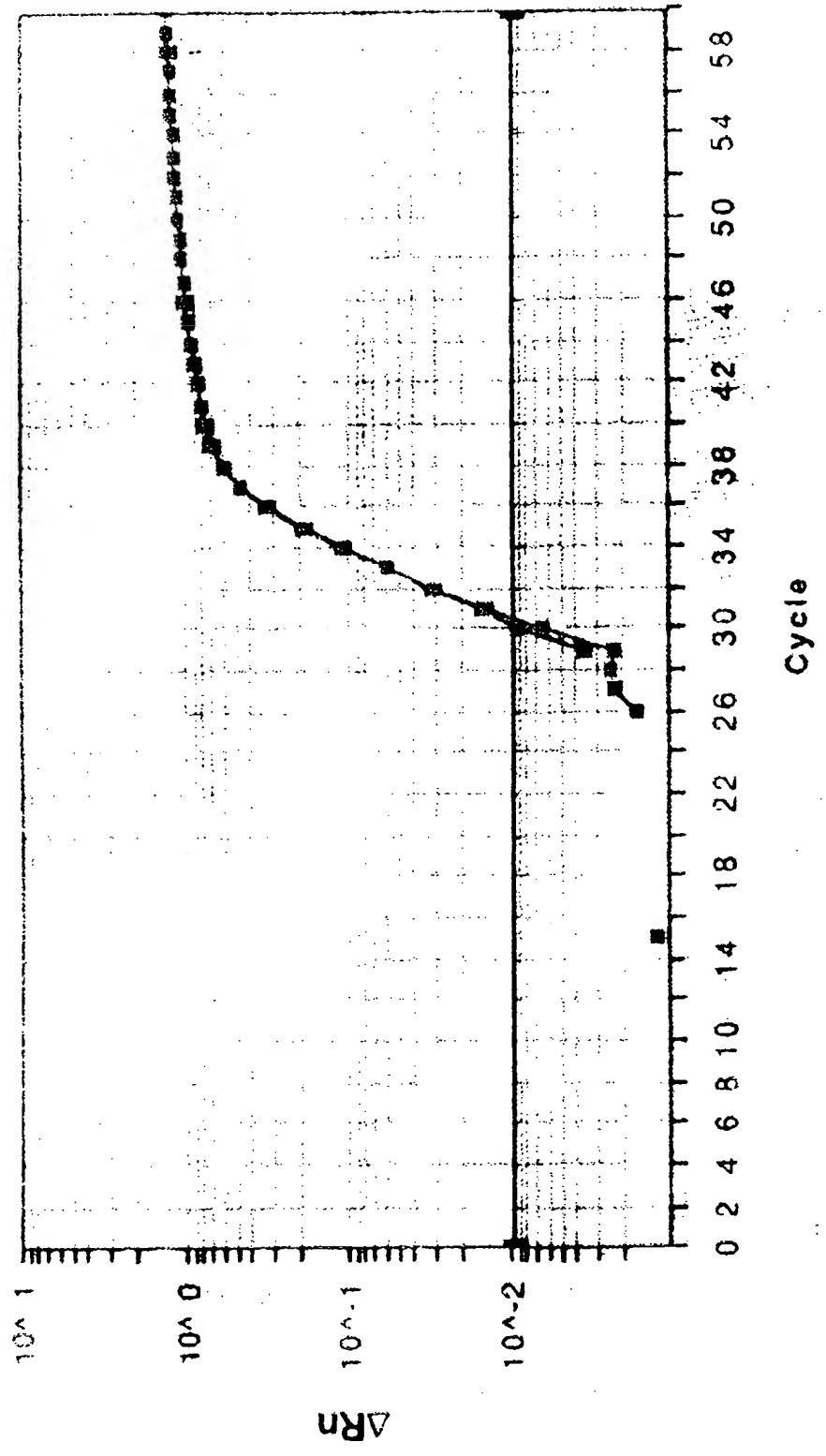


Figure 27A



Figure 27B

B. TAp63 amplification plot for PC3 cells

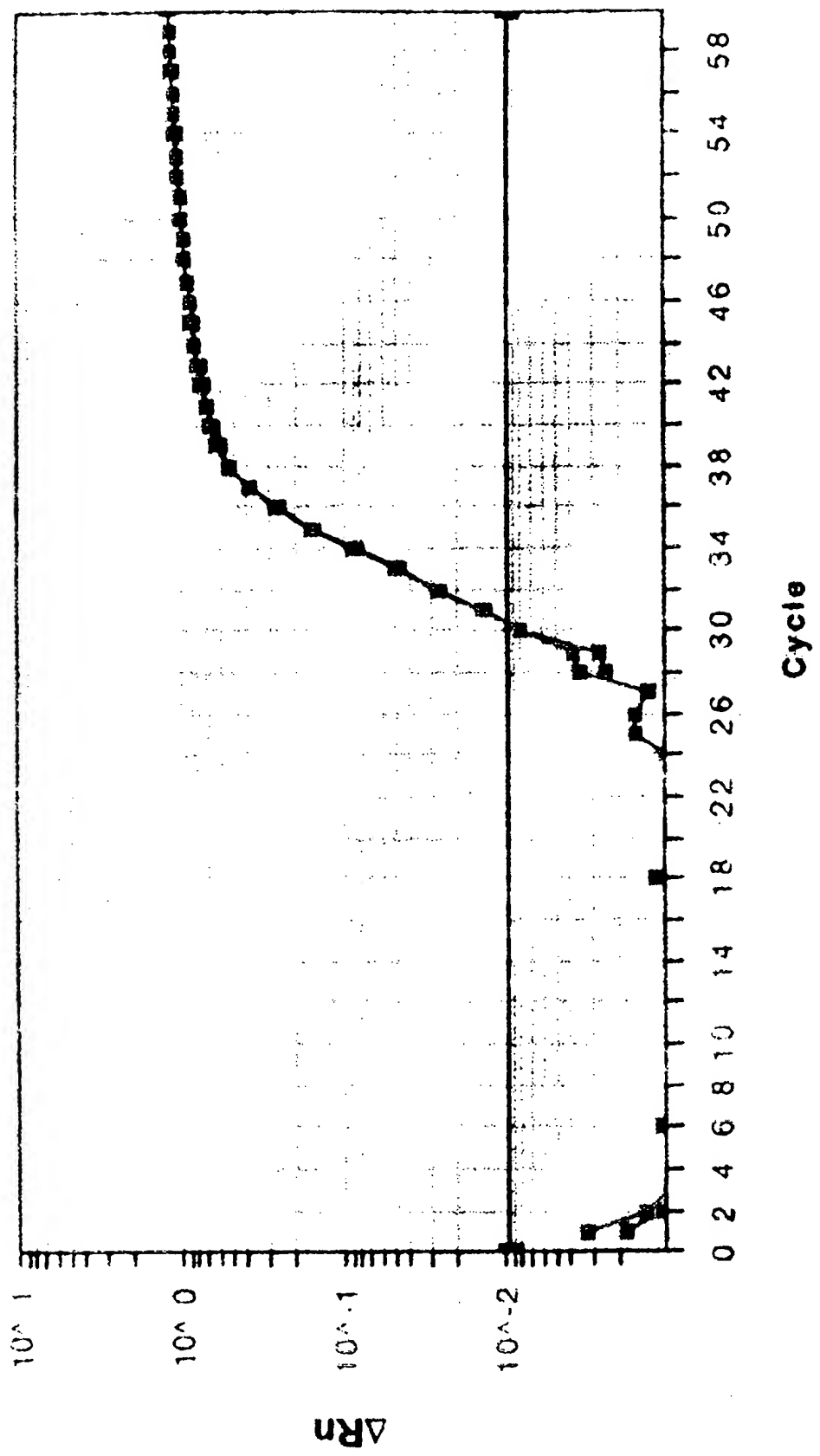
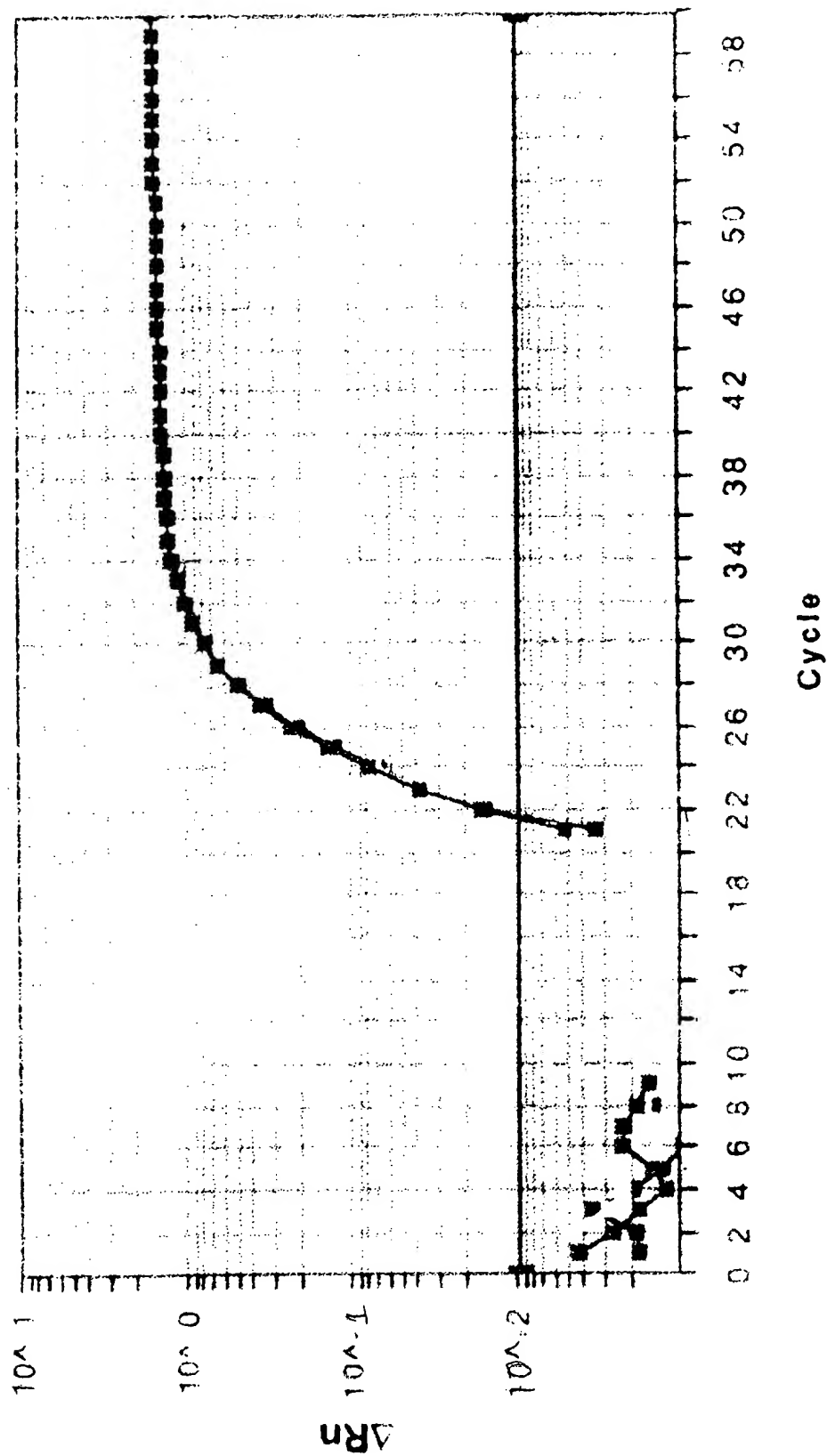




Figure 27C

C.  $\Delta$ Np63 amplification plot for PrEC cells



D.  $\Delta Np63$  amplification plot for PC3 cells

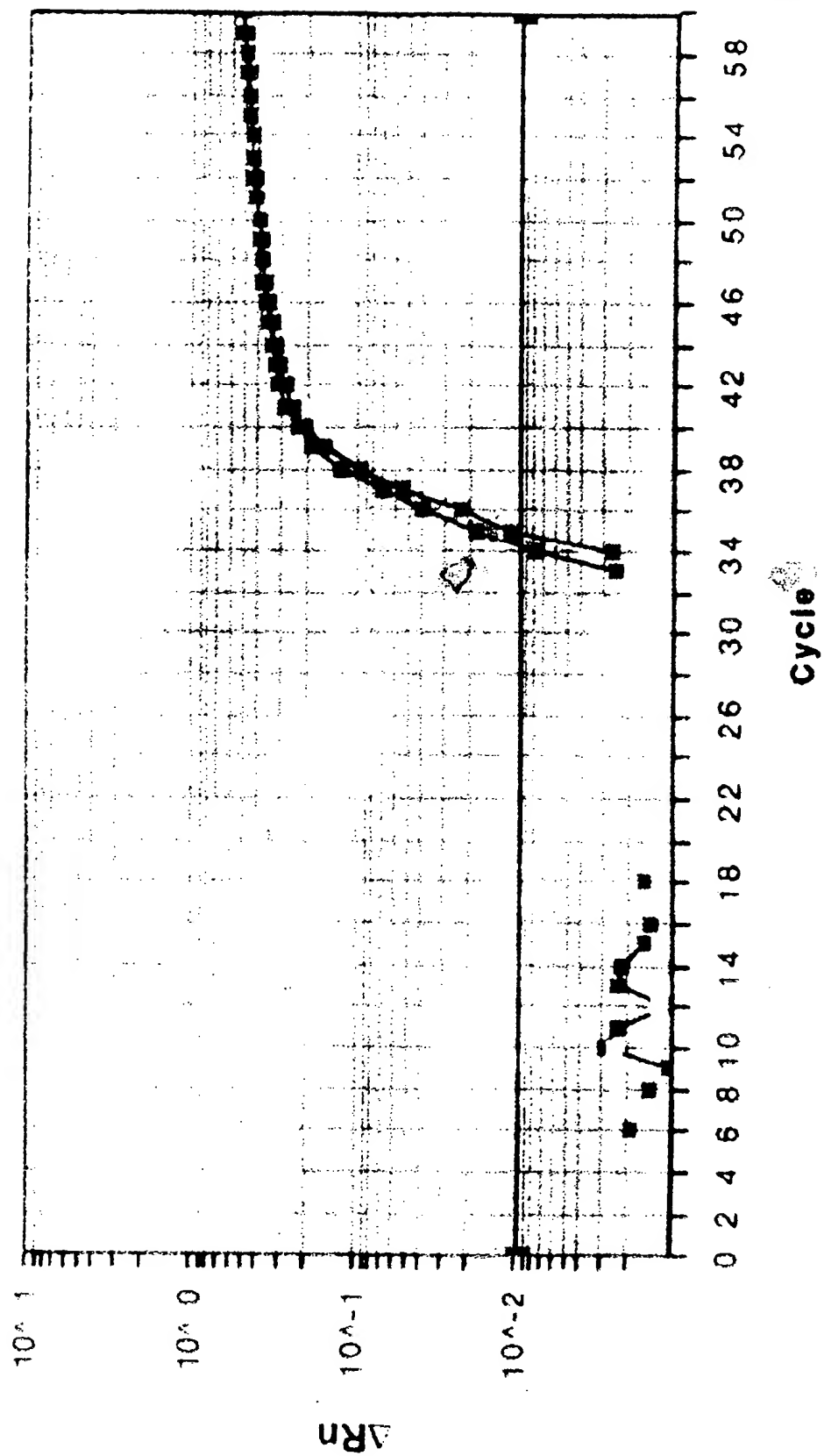
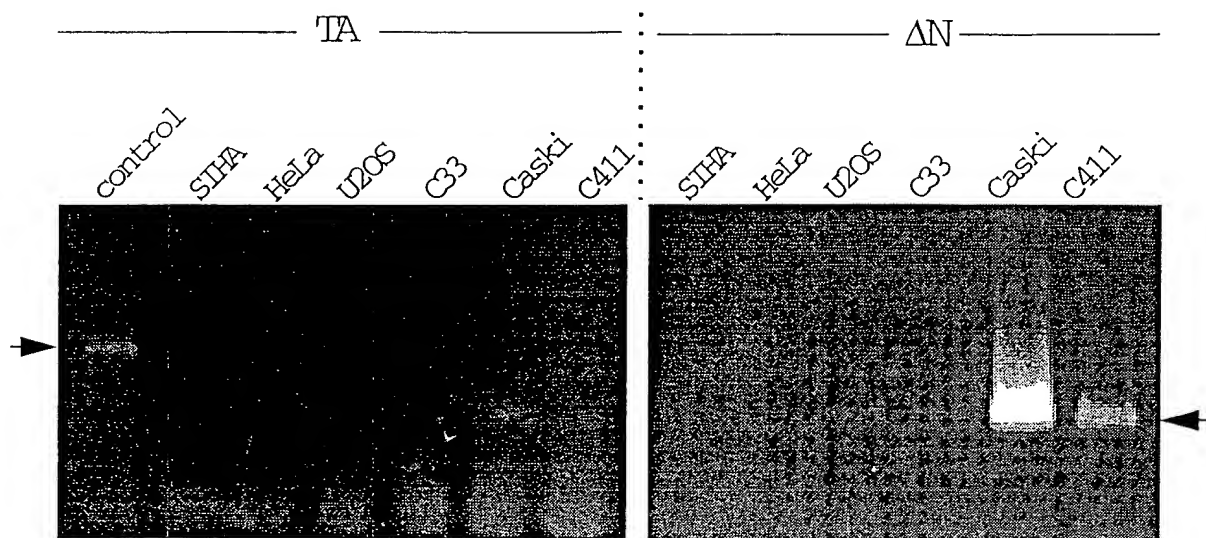


Figure 27D





Figure 28



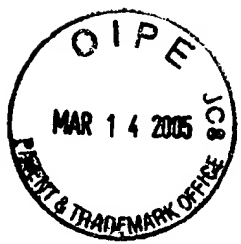
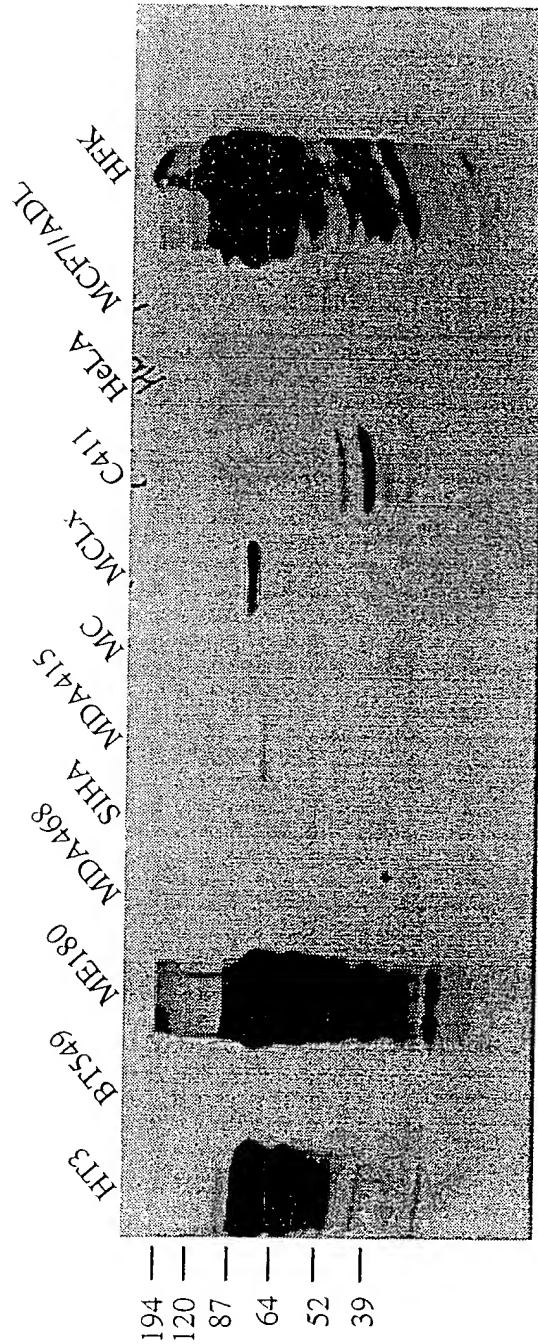


Figure 29

4A4 anti-p63



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